



School of Sciences

Yashwantrao Chavan Maharashtra Open University

School of Sciences

(Formerly School of Architecture, Science & Technology)

Prospectus 2023

for

Certificate, Diploma, UG,

PG & PhD Programmes

**Essential Information about all Academic Programmes
from School of Sciences**

2023

Website: <http://www.ycmou.ac.in/> and

<http://ycmou.digitaluniversity.ac/>

Phone: +91-253-2231473

School of Sciences, YCMOU, Nashik – 422 222, MH, India

SCHOOL OF SCIENCES

Important Notice Regarding Fresh or New Admission for Post Graduate Programmes

From this Academic Year 2023-24, this school will offer the two-year Post Graduate/Master's Degree Programmes based on the credit and curricular framework of the National Education Policy (NEP) 2020. Therefore, no fresh or new admissions, including direct admissions, will be allowed for the the following programmes. Only further admission to second year will be allowed starting from the Academic Year 2023-24.

1. V130: M.Sc. (Mathematics) - 2021 Pattern
2. V136: M.Sc. (Environmental Science) - 2021 Pattern
3. V141: M.Sc. (Physics) - 2022 Pattern
4. V142: M.Sc. (Chemistry) - 2022 Pattern
5. V143: M.Sc. (Zoology) - 2022 Pattern
6. V144: M.Sc. (Botany) - 2022 Pattern

Important Note:

Post Graduate Programmes as per NEP2020 from Academic Year 2023

2 Years - 4 Semesters PG Degree (88 Credits) after Three Year UG Degree

The **fresh or new** admission will be allowed for the **first year** of the following Post Graduate Programmes. The details will be made available in this prospectus:

1. V151: M.Sc. (Mathematics) {2023 Pattern}
2. V152: M.Sc.(Environmental Science) {2023 Pattern}
3. V153: M.Sc. (Physics) {2023 Pattern}
4. V154: M.Sc. (Chemistry) {2023 Pattern}
5. V155: M.Sc. (Zoology) {2023 Pattern}
6. V156: M.Sc. (Botany) {2023 Pattern}

SCHOOL OF SCIENCES PROGRAMME CALENDAR

Note: This University and School will follow the Programme Calendar declared by UGC/DEB New Delhi time to time.

Teaching-Learning of students shall start from 01-September/01-Feb every year.

SN	Activity Description	Yearly Pattern/Odd semesters like 01, 03, 05 and 07 From 01-Sep Till 31-Jan	Even semesters like 02, 04, 06 and 08 From 01-Feb Till 31-Jul
Online Admission: offered on Annual basis for 2 semesters in each academic year. Only for 'C149: Certificate programme in Beekeeping', Admissions shall be offered on Winter and Summer batch basis.			
01	Fresh and Further Yearly Admission	From June/ July Till Aug (For C149, Winter Batch: From Jul)	NA (For C149, Summer Batch: From Jan)
Teaching – Learning at the resp Learning Support Centers/ SCs for all Theory, Practical, Term-Work, Studio & Project Courses			
02	Teaching – Learning (16 Weeks) & Backlog Clearing	From 01-Sep Till 30-Nov	From 01-Feb Till 23-May
Online End Exam (EE) Form Submission (Required only for Repeater Students)			
03	Online EE Form Submission by SCs/ students at University	On or Before 21-Oct	On or Before 23-Apr
Continuous Assessment (CA) Submission			
05	CA Availability	From 01-Sep Till 30-Nov	From 01-Mar Till 23-May
06	CA Submission by Students	From 01-Nov Till 30-Nov	From 01-May Till 31-May
End Examination (EE)			
07	End Exam for Theory Courses	From 1-Dec to 10-Dec	From 25-May to 05-Jun
08	EE for Activity Courses (Pr, TW, PW, STW, SV)	Immediately after/ before the schedule of the end exam for theory courses, but positively before 15-Dec	Immediately after/ before the schedule of the end exam for theory courses, but positively before 15-Jun
10	End Exam Result Declaration	On or Before 31-Jan	On or Before 31-Jul
Semester End Vacation			
11	Semester End Vacation	Jan	July

WITHDRAWN PROGRAMMES DETAILS

Schedule of Last Further Admission Time Slot and End Exam for **Withdrawn Programmes (Total 14 Nos)**

SN	Programme Details	Last Further Admission Time Slot	Last End Exam
Architecture and Design UG: 02, Total: 02			
01	V28: B.Des. {2014 Pattern} 4 Years duration, Withdrawn in 2018	During Jun-Aug 2022	Nov-Dec 2024
02	V22: B.Arch. (General) {2010 Pattern}: 5 Years duration, withdrawn in 2016	During Jun-Aug 2021	Nov-Dec 2023
Science UG: 01, PG: 11, Total: 12			
01	V96: B.Sc. (Actuarial Science) {2016 Pattern}: 3 Years duration, withdrawn in 2019	During Jun-Aug 2022	Nov-Dec 2024
02	V58: M.Sc. (Environmental Science) {2015 Pattern}: 2 Years duration, withdrawn in 2021	During Jun-Aug 2023	May-Jun 2025
03	V131: M.Sc. (Physics) {2021 Pattern}: 2 Years duration, withdrawn in 2022	During Jun-Aug 2024	May-Jun 2026
04	V132: M.Sc. (Chemistry) {2021 Pattern} : 2 Years duration, withdrawn in 2022	During Jun-Aug 2024	May-Jun 2026
05	V133: M.Sc. (Zoology) {2021 Pattern}: 2 Years duration, withdrawn in 2022	During Jun-Aug 2024	May-Jun 2026
06	V134: M.Sc. (Botany) {2021 Pattern}: 2 Years duration, withdrawn in 2022	During Jun-Aug 2024	May-Jun 2026
07	V130: M.Sc. (Mathematics) {2021 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
08	V136: M.Sc. (Environmental Science) {2021 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
09	V141: M.Sc. (Physics) {2022 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
10	V142: M.Sc. (Chemistry) {2022 Pattern}: 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027

SN	Programme Details	Last Further Admission Time Slot	Last End Exam
11	V143: M.Sc. (Zoology) {2022 Pattern}; 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027
12	V144: M.Sc. (Botany) {2022 Pattern}; 2 Years duration, withdrawn in 2023	During Jun-Aug 2025	May-Jun 2027



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MESSAGE FROM DIRECTOR

Greetings to all!!!

The India's great social leader and thinker **Dr. B. R. Ambedkar** expressed the importance of education as **"We may forgo material benefits of civilization, but we cannot forgo our right and opportunity to reap the benefits of the highest education to the fullest extent."** Education helps to develop knowledge, abilities and skills required to understand various subjects to perform trade and profession.

The School of Sciences (formerly School of Architecture, Science and Technology) was established in 1989 to provide innovative and high quality cost effective education in Architecture, Science and Technology disciplines relevant to present needs of Society and Learners with better academic quality and student support services. This School currently, do not offer programmes from Architecture and Technology Disciplines.

Presently, this School offers Certificate, Diploma, UG, PG and PhD Programmes in Science Discipline with the challenge of imparting good quality theoretical and practical education in five major science disciplines, namely, Physics, Chemistry, Mathematics, Statistics and Life Sciences. These programmes from science disciplines are approved by the UGC New Delhi. This School fully comply "UGC ODL Programmes Regulations".

All the programmes of this School are designed and developed with comprehensive approach from the renowned subject experts to ensure the quality, norms and standards of the education and examinations. Self-Learning Material (SLM)/ Textbooks/ Lab Manuals, Audio-Video Lectures etc in easy to understand format is developed by the School for the learners and is made available in soft copy format from day one at our University website. This School has adopted this policy for the conservation of our global environment. Due to this policy, this School has kept lower fees for the academic programmes.

Teaching-learning for theory, practical conduction and project work, etc for the learners is held as per the UGC norms in face-to-face mode by the qualified and experienced counsellors working at the recognized Learner Support Centers; which are mainly Senior Science Colleges for the programmes from Science Discipline. Periodical Evaluation and Grading of the Learner Support Centers is done by this School to ensure academic quality to impart teaching-learning to the learners by them.

Nearly 10,000 learners are enrolled for science programmes of this School and the quality of our pass-out students is highly satisfactory with regards to the purpose of education.

I appeal you to experience best quality education from our YCM Open University!!!

Dr. Chetana Kamlaskar
Director (I/C),
School of Sciences

ABOUT US

ABOUT UNIVERSITY

Yashwantrao Chavan Maharashtra Open University (YCMOU) was established in July 1989 by the 'Act XX-(1989)' of the Maharashtra State Legislature. It is the fifth Open University in the country. This university is recognized under section 12 (B) by the 'University Grants Commission (UGC)' of India. 'The Commonwealth of Learning (COL)' Canada, conferred the prestigious '**Award of Excellence for Institutional Achievement**' for the year **2002** to this university. YCMOU is the first Open University in India, which is honored with this prestigious award.

Again in **2019**, Commonwealth of Learning (CoL) conferred the prestigious **Award of Institutional Excellence** to this University. YCMOU is the first Open University in India, which is honored with this prestigious award **twice**.

In 2022, this State University Accredited **with 'A' Grade by NAAC** (1st Cycle).

The YCMOU is a member of various prestigious associations and bodies like the Association of Indian Universities (AIU), Association of Commonwealth Universities (ACU), Asian Association of Open Universities (AAOU), Commonwealth of Learning (COL), Canada to name a few.

The university provides relaxed entry procedures. However, it does maintain its standards from curriculum design to examinations. The university may admit a student even when he is studying in another university / Board or is continuing his professional career. It may not ask for documents like Transfer or Leaving Certificate at the time of admission. At the same time the university takes all precautions (just as the other universities do) to ensure that the standards and quality of, education and exams, are preserved.

The Head office of the university is located at Nashik, India. The university operates through its **8 Regional Centers (RCs)** at Amaravati, Aurangabad, Kolhapur, Mumbai, Nagpur, Nanded, Nashik, Pune and **several Learner Support Centers (LSCs) / Study Centers (SCs)** only within the Maharashtra state.

LEARNER SUPPORT CENTERS (LSCs) / STUDY CENTERS (SCs) OF PROGRAMMES

This university has recognized programme wise Learner Support Centers (LSCs) /Study Centers (SCs) within the State of Maharashtra have to provide all specified student services **to the current and previously enrolled students** as per the approved university rules for all the programmes on offer or for the withdrawn programmes till the last event of End Examination (if applicable).

JURISDICTION AND REVISION OF RULES

All legal disputes regarding LSC/Study Center and enrolled students shall be subject to **Nashik jurisdiction** only. In order to cope up with unforeseen circumstances and to maintain high academic quality of these programmes, the university reserves the right to change, revise, update, add or delete any rule (**including rules regarding programme fees**) about these programmes, at any time. These modifications will be applicable to all students, **including previously admitted students**.

LATEST UPDATE POLICY

Latest updated version of this prospectus shall be available at university website at <http://www.ycmou.ac.in> for free download in PDF file format. Hence, students, LSCs and other stake holders are advised to always refer website for latest updated copy of this prospectus.

ABOUT SCHOOL

The **School of Sciences** (formerly School of Architecture, Science and Technology) is one of the eighth Schools of the University. This School offers academic programmes from Science discipline.

Responsibilities of the School

This School is responsible for following various activities.

- Design and development of various need based academic programmes
- Development of syllabus
- Development of Self Learning Material
- Development of Audio-Video Lectures
- Support to SSD for LSC Management
- Support to Evaluation Division for Paper Setting and QB development activities
- Support to Examination Division for Assessment Activities
- Academic and administrative support to students
- Support to Regional and LSCs
- Conduction of training/ workshop for course writers/ editors/ counselors
- Systemic research and programme evaluation
- Faculty development and research activities

VISION

Quality Education in modern sciences with cost-effectiveness!

MISSION

The School of Sciences will offer educational programmes in Science discipline using such operational and Academic principles that optimize:

- Academic Quality
- Relevance to present needs of Industry, Society and Learners
- Time Quality
- Cost-effectiveness for learners and the University
- Quality based on contemporary requirements

PROGRAMME INFORMATION AT A GLANCE

The following **29** Academic Programmes are from the School of Sciences during academic year **2023-24**.

Level	Programmes of Offer (15) Admission and/ or Examination: Fresh Yes , Further Yes New LSC Recognition: Yes	Withdrawn Programmes (14) Admission and/ or Examination: Fresh No , Further Yes New LSC Recognition: No
Design (0) (1)		
UG (0)(1)	-	V28: B. Des. {2014 Pattern}
Skill (1) (0)		
Diploma (1)(0)	T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern}	-
Science (14)(12)		
Certificate (1)(0)	C149: Certificate Programme in Beekeeping [Transferred from Centre for Collaborations and Special Initiatives (CCSI)]	-
Diploma (2)(0)	V135: Diploma in Environmental Science {2021 Pattern} V137: Diploma in Statistics {2021 Pattern}	-
UG (2)(1)	V92: B.Sc. (Phy, Che, Maths){2015 Pattern} V100: B.Sc. (Bot, Che, Zoo){2023 Pattern}	V96: B.Sc. (Actuarial Science) {2016 Pattern}
PG (6)(11)	Offered as per NEP 2020 V151: M.Sc. (Mathematics) {2023 Pattern} V152: M.Sc. (Environmental Science) {2023 Pattern} V153: M.Sc. (Physics) {2023 Pattern} V154: M.Sc. (Chemistry) {2023 Pattern} V155: M.Sc. (Zoology) {2023 Pattern} V156: M.Sc. (Botany) {2023 Pattern}	V131: M.Sc. (Physics) {2021 Pattern} V132: M.Sc. (Chemistry) {2021 Pattern} V133: M.Sc. (Zoology) {2021 Pattern} V134: M.Sc. (Botany) {2021 Pattern} V58: M.Sc. (Environmental Science) {2015 Pattern} V130: M.Sc. (Mathematics) {2021 Pattern} V136: M.Sc. (Environmental Science) {2021 Pattern} V141: M.Sc. (Physics) {2022 Pattern} V142: M.Sc. (Chemistry) {2022 Pattern} V143: M.Sc. (Zoology) {2022 Pattern} V144: M.Sc. (Botany) {2022 Pattern}
Ph.D. (3)(0)	R91: Ph.D. (Chemistry) {2019 Pattern} R92: Ph.D. (Environmental Science) {2019 Pattern} R41: Ph.D. (Geology){2019 Pattern}	-
Architecture (0) (01)		
UG (0)(1)	-	V22: B.Arch. (General) {2010 Pattern}

ABOUT PROGRAMMES

ATTENDANCE

For all academic programmes regular and full attendance for all counseling sessions is highly recommended for better chances of successful completion of the course. Normally, minimum **80% attendance shall be essential** for counseling sessions for all courses.

Successful completion of all specified activities for On Job Training (OJT), Field Projects (FP), Term Work (TW), Practical (P), Project-Work (PW), Studio Term-Work (STW), or Studio Viva (SV) courses and its certification by the respective counselor at LSC and Programme coordinator shall be essential before the end exam of that On Job Training (OJT), Field Projects (FP), Term Work (TW), Practical (P), Project-Work (PW), Studio Term-Work (STW), or Studio Viva (SV) courses.

DEGREE EQUIVALENCE STATUS

All these degree and post-graduate degree programmes are duly recognized and approved by the “University Grant Commission (UGC)”. Approval status is available at UGC Website under the Distance Education Bureau (DEB) of UGC (ugc.ac.in) at

- [https://www.ugc.ac.in/pdfnews/FINAL%20RECOGNITION%20STATUS%2008-05 2019.pdf](https://www.ugc.ac.in/pdfnews/FINAL%20RECOGNITION%20STATUS%2008-05%202019.pdf) on Pages 45 to 48 of 95[F.No. 1-18/2018 (DEB-I), Dated: 08-05-2019] and
- https://www.ugc.ac.in/pdfnews/6032587_DEB-ODL-LIST.pdf, Dated 10th March, 2021 on Page 7 of 9

The legal status of this university is at par with all other statutory universities of India.

Equivalence related all relevant documents of all programmes of this School are available at the University website at School page at

- <https://drive.google.com/open?id=1tOtFcSxJdVnJMku7kQybuok9d2J6dOYi>

SELF-INSTRUCTIONAL LEARNING MATERIAL POLICY

1. "Self-Instructional Learning Material (SLM)" means - the learning material which is specially designed for the Open University students. This material is designed in such a manner that the students are able to understand most of the subject matter even in the absence of a teacher.
2. Depending upon the nature of the programs the learning material (study material) is designed and developed in various formats and different methods are used for its delivery to the students. **SLM may be print or non-print/ electronic study material.**
3. As per the University policy, this School shall provide study material **in electronic format only for the programmes on offer**. The study material in electronic format shall be made available for **free download on the University Website at <http://www.ymou.ac.in/>**, under the **EBooks section**, which is accessible on the webpage of the School of Sciences.

PRINTED STUDY MATERIAL (छापील अभ्याससाहित्य)

All enrolled students should collect the printed study material/SLM from their respective Learner support centers/Study centers before the end examination of the programme. Students shall not be entitled to that study material after the result declaration (Applicable only for printed study material, **not for soft copies of SLM books**).

प्रवेशित झालेल्या विद्यार्थ्यांनी छापील अभ्याससाहित्य परीक्षेपूर्वी घेऊन जावे, निकाल लागल्यानंतर त्या अभ्याससाहित्यावर त्यांचा हक्क असणार नाही (फक्त छापील अभ्याससाहित्यासाठी लागू).

INSTRUCTIONS FOR CREATING THE ACADEMIC BANK OF CREDITS- ID

Dear Students,

As per the National Education Policy- 2020, it is mandatory for you to create the Academic Bank of Credits- ID. You are required to fill up the information regarding your Certificates, Diploma, and name of the Degree in the Digi Locker (ABC-NAD) or else it won't be possible to transfer the credits you'll earn through other programmes. You can register your Academic Bank of Credits-ID at the following portal <http://www.abc.gov.in/> or you can visit our university website at www.ymou.ac.in wherein you are supposed to click on the 'Student Zone' tab Under the Student Zone tab, you will find the 'Academic Bank of Credits' option After clicking on the Academic Bank of Credits option, you will get information and PPT's of how you can create your Academic Bank of Credits- ID.

Academic Bank of Credits - ID तयार करण्याबाबतची सूचना

विद्यार्थी मित्रांनो,

राष्ट्रीय शैक्षणिक धोरण-२०२० नुसार आपणास Academic Bank of Credits-ID तयार करणे अनिवार्य आहे. आपण प्राप्त केलेले प्रमाणपत्र, पदविका, पदवीची माहिती Digi Locker (ABC-NAD) वर भरावी लागणार आहे. त्याशिवाय इतर अभ्यासक्रमासाठी क्रेडिट ट्रान्स्फर करता येणार नाही. आपणास Academic Bank of Credits-ID नोंदणी <http://www.abc.gov.in/> या पोर्टलवर करता येईल किंवा आपल्या विद्यापीठाच्या www.ymou.ac.in या वेबसाईटला भेट द्या. या वेबसाईटवरील Student Zone या बटनला क्लिक करा. यातील Academic Bank of Credits वर क्लिक केल्यानंतर Academic Bank of Credits-ID तयार करण्यासंबंधित माहिती व ppt सादरीकरण आपणासाठी वेबसाईटवर उपलब्ध केलेले आहे.

GOLD MEDAL POLICY

As per Board of Management (BoM) resolution no. 184.4.1(A) dated 29.08.2022, this University has declared various prizes and gold medals to the meritorious students for their outstanding success achieved during the various programmes. The Gold Medal is among the most prestigious awards of the University.

This School appealed to eminent institute to sponsor Gold Medals by their names to various programmes offered by this School. Purpose to offer Gold Medals to the students is to recognize their efforts taken and success achieved, to feel them and their family proud, and to motivate other students for better performance to receive Gold Medal.

From coming Convocation following two Gold Medals may be offered for the programmes of this School.

1. Gold Medal sponsored by Dr. Vishwnath Karad Maharashtra Academy of Naval Education & Training (MANET), Loni-Kalbhori, Pune for the programme
 - **M.Sc. [Mathematics]**
2. Gold Medal sponsored by Shri Rajaram Babu Patil, Rajaram Babu Institute of Technology, Rajaramnagar, Sakhrule, Islampur, Dist. Sangli for the programme
 - **M.Sc. [Physics]**

DEFINITIONS

In this document, unless the context otherwise requires, following definitions shall apply.

GENERAL

1. **"University"** means– Yashwantrao Chavan Maharashtra Open University, located at Nashik, Maharashtra, India.
2. **"Act"** means - Act XX- (1989) (Amended by Act No XII of 2003) of the Maharashtra State Legislature.
3. **"Academic Year"** means - duration of 1 year which **starts** from **01-Sep** and **ends on 31-Jul**
4. **"Semester"** means - Each semester will consist of 15-18 weeks of academic work equivalent to on an average 100 actual teaching days. Thus, it is a group of some courses, which are offered during a time block of 6 months.
 - a. Odd numbered semesters like 01, 03, 05 ... **starts from 01-Sep** and **ends on 31-Jan**
 - b. Even numbered semesters like 02, 04, 06 ... **starts from 01-Feb** and **ends on 31-Jul**
5. **"Session"** means - a time slot for a particular activity. Duration of counseling session is 60 or 180/240 minutes, while for end examination it is either 180 or 240 minutes.

Course Types	Session Duration in Minutes for Counseling Session	Session Duration in Minutes for End Exam
Theory Courses	60	90/ 180
Studio Courses	180 / 240	180 / 240
Practical Courses	120/180	180
Term-Work or Project-Work Courses	40 / 60	180 / 240

6. **"Batch"** means - a group of students.

Course Types	Batch for Counseling Session	Batch for End Exam
Theory Courses	60/ 120	30
Term Work or Practical Course	30	20
Project-Work Courses	15	10

PROGRAMMES AND COURSES

1. **"Choice Based Credit System (CBCS)"**: The CBCS provides choice for students to select from the prescribed courses (core, applied, elective or minor or soft skill courses).
2. **"Credit Based Semester System (CBSS)"**: Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.
3. **"Credit"** means - number of study hours, in multiples of 30 clock hours for theory and 60 clock hours for Practical that an average learner has to devote for effective learning. Thus, for 1 CR, an average learner has to devote 30 clock hours to successfully complete the study of the course. Study includes several activities like reading books, taking notes, solving problems, undergoing tests, performing experiments in laboratories, thinking, etc. It is a unit by which

the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.

4. **"Academic Programme"** means - a collection of correlated courses, which one must successfully complete in order to earn a certification by the university. Certification may be by certificate, diploma, advance diploma, graduate degree, postgraduate diploma, postgraduate degree or doctoral degree.
 - a. **"Programmes on Offer"** are those programmes where **fresh** admission to **new** prospective students is **offered along with** further admissions to already enrolled students.
 - b. **"Withdrawn Programmes"** are those programmes where fresh admission to new prospective students **is not offered along with** further admissions to already enrolled students.
5. **"Courses"** means - any single component of an academic programme (usually called as subjects) which one has to successfully complete, in order to earn a certification by the university. Courses may be of different types like theory, practical, OJT, field project, Term-Work, studio Viva, or project work. Each course is given a unique course code.
6. **"Backlog Course"** means – any course where student is admitted by the university but student could not successfully complete the course in the first compulsory end exam attempt.

LEARNER SUPPORT CENTERS (LSCs)/STUDY CENTERS

1. **"Learner Support Center (LSC)"** means - a place where the students attend the face-to-face counseling sessions for theory courses in classroom and conduct practical and/ or project type of activities in the laboratories and get other relevant services like Internet access, admission, examination and communication with university head office.
2. **"Programme Coordinator"** means - a person in charge of the administrative and academic affairs at the LSC. He plans the availability of counselors, looks after the distribution of learning resource from library, arranges and coordinates counseling sessions, etc.
3. **"Learner Support Center (LSC) Head"** means - the head of LSC who is normally the principal of the institution, where LSC is located. He may not participate in the day-to-day activities of the LSC, but will play an active role in case of any serious problem at the LSC.

DACECT

1. **"Direct Admission (DA)"** means - due to higher pre-qualification than specified minimum eligibility, along with the supporting documents, students shall be directly admitted to specified higher year. **Students are allowed to apply for online direct admission only once before at the time of the first fresh admission.** Students are required to successfully complete in end exam (**as permitted by the end exam time table**) all those courses which are not exempted. Hence, total time duration of the academic programme may be reduced and student is not required to pay fees for the lower semesters. Direct admission shall be given only when student apply online for it, along with attested photocopies of specified documents.
2. **"Course Exemption (CE)"** means - the student who successfully completes with specified minimum percentage of marks or better in specified subjects with similar syllabus but with different evaluation pattern, in the exams conducted by the **either Board or university**, is exempted from certain courses of these programmes. If course exemption is sanctioned, the

student need not appear in any examination for that course, as it is treated as a successfully completed. But no previous performance is used for reporting in Mark-Sheet. Only mark of exemption, that is 'X', is put against exempted course. **Students are allowed to apply for online course exemptions only once before the first fresh admission.** Course Exemptions shall be given only when student apply online for it, **along with direct admission** along with attested photocopies of specified documents. Student is required to pay **Direct Admission and Course Exemption fee** specified by the University for Respective Programme.

3. **"Credit Transfer (CT)"** means - the student who successfully complete specified subjects with specified minimum percentage of marks or better with similar syllabus and evaluation pattern, in the exams conducted by the **either Board or university** are exempted from certain courses of these programmes. If credit transfer is sanctioned, the student need not appear in any examination for that course, as it is treated as a successfully completed. Previous marks (or in case of grades, equivalent mean marks of the grade range) are used as it is for reporting in Mark-Sheet. **Students are allowed to apply for online credit transfers only once before the first fresh admission.** Student is required to pay Credit Transfer fee of Rs 1000/- for each course as specified by the University for the Respective Programme. Credit transfers shall be given only when student apply online for it, **along with direct admission**, along with attested photocopies of specified documents.

ADMISSION

1. **"Online Annual Admission"** means - Normally, online admission is given only once in a year (typically in July - August) to first year or 2 semesters, that is, odd and even numbered semesters, in an academic year. Thus, along with the admission form, students shall be required to pay '[University Share Fee \(USF\)](#)', '[LSC Share Fee \(LSCF\)](#)', '[Mandatory Fee \(MF\)](#)' and '[End Exam Fee \(EEF\)](#)' for both semesters. The '[End Exam Fee \(EEF\)](#)' includes the **first** compulsory attempt of end exam for **all courses at each semester**.
2. **"Online New or Fresh Admission"** means - **First** admission to the academic programme. Normally, new/ fresh admission is given to the lowest numbered semester. Students are required to apply online for new/ fresh admission in the prescribed format along with the attested scanned photocopies of specified documents need to be uploaded and payment of the specified fees for the programme need to be paid online by netbanking/ credit or debit card.
3. **"Online Further Admission"** means - **all next** admissions (**after first admission**) to the each successively higher numbered year/ semesters of the academic programme. Students having Permanent Registration Number (**PRN**) are eligible to apply for the **Online Further Admission**. The students have to complete similar process as mentioned for the Fresh Admission. Student can select another LSC during online further admission process.
4. **"Online Admission for Certificate programme in Beekeeping"** – admissions shall be offered separately to each summer and winter Batch. Thus, along with the admission form, students shall be required to pay '[University Share Fee \(USF\)](#)', '[LSC Share Fee \(LSCF\)](#)', '[Mandatory Fee \(MF\)](#)' and '[End Exam Fee \(EEF\)](#)' which also includes the '[Exam Fee \(EF\)](#)' for the first compulsory attempt for end exam for all courses of the programme.
 - a. Admission for Summer Batch: Jan-Feb of each year
 - b. Admission for Winter Batch: July-Aug of each year
5. **"Student Registration"** means - confirmation of the admission of the student to the specified year/semesters of the academic programme by the university, after submission of a completed online admission form along with uploaded scanned photocopies of specified

documents and online payment of the specified fees for the programme. **Student registration is valid only during valid registration period.** The university assigns unique 'Permanent Registration Number (PRN)' to each student when he/she is registered for the academic programme during the first fresh admission.

6. **"Valid Registration Period"** means - Maximum duration of the programme required to successfully complete any program for the award of the degree/ diploma.
 - a. As per UGC notification D.O.No.F.12-1/2015 (CPP-II) dated 15 Oct 2015, VRP for each programme is the minimum duration of programme + 02, and further extension of 01 (one) more year is granted if required. Accordingly, from the year 2022 this School has specified VRP as follows.
 - VRP for 1 Year Diploma Progs is 3 Yrs
 - VRP for 2 Years Post Graduate Degree Progs is 5 Yrs
 - VRP for 3 Years Under Graduate Degree Progs is 6 Yrs
 - b. For PG programmes as per NEP 2020, VRP for each programme is the minimum duration of programme + 02 Years

Only within valid registration period, students are allowed to attend counseling sessions at the allotted LSC/ Study Center. **Extension of registration period shall not be allowed.**

COUNSELING

1. **"Counseling Sessions (CS)"** means –Face-To-Face classroom sessions conducted at LSCs, by a well qualified and experienced counsellor/ expert/ teacher to explain and clarify doubts/difficulties of the students. During counseling sessions, students also perform practical or studio activities or project work in LSC laboratory or studio. Last 4-5 hours of counseling for each course in a semester are reserved for assessment and feedback about "Continuous Assessment (CA)".
2. **"Counselor"** means - a qualified and experienced expert/person at LSC, who conducts counseling sessions and helps the students in solving their difficulties.
3. **"Supervisor"** means - a qualified and experienced expert/person at LSC, who helps the students to perform practical or studio activities or project work in LSC laboratory or studio.
4. **"Mentor"** means - a qualified and experienced person at allotted industry or business unit, for the guidance and supervision activities of the students. He coordinates monthly face-to-face single Mobile-Ready or Video lecture of one hour duration and helps the students in solving their difficulties. He also helps the students to perform "On-Job Training" for the specified hours in allotted industry or business unit. Mentor also helps students in smooth and timely conduction of Continuous Assessment.
5. **"On Job Training"** (Only applicable for Learn and Earn Scheme) means – daily or periodic assigned work which student needs to perform at his/ her allotted industry or business unit as per the Apprentice Act. Normally 08 Hrs of "On Job Training" during **each** of 26 Work days needs to be completed by the students under Learn and Earn Scheme.

REQUIRED COUNSELING SESSIONS

Following table indicate **minimum** number of specified Face-to-Face counseling sessions which must be arranged by the LSC for **each** course during **each** semester to ensure minimum specified working hours during each semester.

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 01 Clock Hour (i)	For each Activity (Practical/Term Work/Project) Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 02 Clock Hour (ii)	Total Face-to-face counseling sessions Per Year (i)+(ii)	Total face-to-face counseling sessions for Programme
Certificate	C149: Certificate Programme in Beekeeping	18	06	(1T+1P) = 30 Hrs	30
Diploma	T101: Diploma in Essential Skills (DES) {Learn & Earn} {2019 Pattern}	12	08 Hrs of "On Job Training" per day for all working days during each Semester	8T+2TW = 96Hrs + 08 Hrs of "On Job Training" per day for all working days during each Semester	8T+2TW= 96 Hrs + 08 Hrs of "On Job Training" per day for all working days during each Semester
	V135: Diploma in Environmental Science {2021 Pattern}	12	12	(6T+2P) = 120Hrs	120
	V137: Diploma in Statistics {2021 Pattern}	12	12	(6T+2P) = 120Hrs	120
UG	V92: B.Sc. (Phy, Che, Maths) {2015 Pattern}	12	12	(8T+6P) = 168 Hrs	504
	V100: B.Sc. (Bot, Che, Zoo) {2023 Pattern}	12	12	(8T+6P) = 168 Hrs	504
PG [As per NEP 2020]	V151: M.Sc. (Mathematics) {2023 Pattern}	12	12	FY: (8T+2P) = 120 Hrs SY: (7T+2P) = 108 Hrs (Excluding OJT/FP/RP)	228
	V152: M.Sc. (Environmental Science) {2023 Pattern}	12	12	FY: (8T+2P) = 120 Hrs SY: (7T+2P) = 108 Hrs (Excluding OJT/FP/RP)	228
	V153: M.Sc. (Physics) {2023 Pattern}	12	12	FY: (8T+2P) = 120 Hrs SY: (7T+2P) = 108 Hrs (Excluding OJT/FP/RP)	228
	V154: M.Sc. (Chemistry) {2023 Pattern}	12	12	FY: (8T+2P) = 120 Hrs SY: (7T+2P) = 108 Hrs (Excluding OJT/FP/RP)	228
	V155: M.Sc. (Zoology) {2023 Pattern}	12	12	FY: (8T+2P) = 120 Hrs SY: (7T+2P) = 108 Hrs (Excluding OJT/FP/RP)	228
	V156: M.Sc. (Botany) {2023 Pattern}	12	12	FY: (8T+2P) = 120 Hrs SY: (7T+2P) = 108 Hrs (Excluding OJT/FP/RP)	228
PG	V130: M.Sc.(Mathematics) {2021 Pattern}	12	-	(10T) = 120 Hrs	240
	V136:M.Sc.(Environmental Science){2021 Pattern}	12	12	(6T+2P)= 120 Hrs	240

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 01 Clock Hour (i)	For each Activity (Practical/Term Work/Project) Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 02 Clock Hour (ii)	Total Face-to-face counseling sessions Per Year (i)+(ii)	Total face-to-face counseling sessions for Programme
	V141: M.Sc. (Physics) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V142: M.Sc. (Chemistry) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V143: M.Sc.(Zoology) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
	V144: M.Sc. (Botany) {2022 Pattern}	12	12	(8T+4P)= 144 Hrs	288
PhD	R91: Ph.D. (Chemistry)	12	Not Applicable	Not Applicable	12 (VRP of 3 yrs)
	R92: Ph.D. (Environmental Science)	12	Not Applicable	Not Applicable	12 (VRP of 3 yrs)
	R41: Ph.D. (Geology)	12	Not Applicable	Not Applicable	12 (VRP of 3 yrs)

EXAMINATION

FROM 2023 PATTERN ONWARDS

For PG programmes as per NEP 2020, the detailed guidelines regarding “PG programme Evaluation Pattern for “Continuous Assessment (CA)” and “End Examination (EE)” shall be provided here.

BEFORE 2023 PATTERN

1. **"Continuous Assessment (CA)"** means - '**Open-Book Formative Evaluation without supervision**' by the Counselor for the respective course at each LSC. CA for each credit shall be for 5 marks only.
2. **"End Examination (EE)"** means - '**Closed-Book Summative Evaluation under supervision**', which is an examination conducted by the University at the designated 'Exam Centers' under supervised conditions, at the end of each semester for all courses. EE for each credit shall be for 20 marks only.
3. **"EE Attempt"** means - option offered by the university to the student, for choosing to appear in any end examination of any course for which respective student's admission is confirmed by the university. EE attempts are counted for each option offered by the university to the student, **irrespective of whether student actually chooses to appear in end exam or not.**
4. **"Online Exam Form"** means - the prescribed format of application for the “repeat end exam attempt” which may require for successful completion or performance improvement. **Only repeater students are required to submit online end exam form**, along with the payment for specified ‘Exam Fee (EF)’ during the specified duration.

5. **"Short Answer type Question (SAQ)"** means - a supply type question of 5 marks, which requires typical answer of about 15 lines ($\approx \frac{1}{2}$ Pages) in about 08-10 minutes. Students do not have choice of answering as he/she is required to answer 1 SAQ on **each** credit in 'Continuous Assessment (CA)' and out of 5 SAQs 4 SAQs on **each** credit in 'End Exam (EE)' for any theory type of course.
6. **"Total Marks (TM)"**: 'Total Marks (TM)' shall be sum of "Continuous Assessment (CA)" marks and "End Examination (EE)" marks acquired by the student in each course.

SUCCESSFUL COMPLETION OF COURSE OR PROGRAMME

1. **"Successful Completion of the Course"** means - either course is exempted or student gets **minimum specified or better** total marks **or** grade, either in end examination of that course or by credit transfer.
 - a. A student obtaining grade **"F"** shall be considered failed and will be required to reappear in the examination.
 - b. **"P"** (Pass) letter grade required for successful completion of **each** course
2. **"Successful Completion of the Programme"** means - **all** courses at **all** semesters are **successfully completed**:
 - a. Student should acquire **minimum 50% aggregate** percentage of marks at **all** courses at **all** reporting semesters for programmes listed below:
 - o For all V22, V28 programmes from "Architecture and Design" discipline
 - b. Student should acquire **minimum 35% aggregate** percentage of marks at **all** courses at **all** reporting semesters for programmes listed below:
 - o For T101 programme from "Skill" discipline
 - c. Student should acquire **minimum 40% aggregate** percentage of marks at **all** courses at **all** reporting semesters for programmes listed below:
 - o For all V92, V100, V151, V152, V153, V154, V155, V156, V141, V142, V143, V144, V130, V131, V132, V133, V134, V135, V136, and V137 programmes from "Science" discipline
 - d. Student should acquire **minimum "P"** (Pass) letter grade **(55.00% Marks)** for **all** courses of PhD course work for (2019 Batch)
 - o For all R91, R92, and R41 programmes from "Science" discipline

ABOUT AUDIT COURSES

As per the UGC notifications received time to time, in four (04) Post Graduate Programmes V141: M.Sc. (Physics), V142: M.Sc. (Chemistry), V143: M.Sc. (Zoology), V144: M.Sc. (Botany), students have to complete three (03) audit courses at Semester 01, 02 and 03.

This School has made available learning material for all audit courses in the form of SLM Textbook at the University website for self-study. All the students need to submit Home Assignment for these audit courses given by the Learner Support Center/University as per the specified schedule.

Counseling for these audit courses is not mandatory for the Learner Support Center. Students can refer other material for their knowledge enhancement.

GRADING SYSTEM

1. **“Absolute Grading”**: the marks are converted to grades based on pre-determined class intervals.
2. **“Letter Grade”**: It is an index of the performance of students in a said programme. Grades are denoted by letters O, A+, A, B+, B, C, P and F.
3. **“Grade Point”**: It is a numerical weight allotted to each letter grade on a 10-point scale. Grade Point shall be “0 (Zero)” for Letter Grade “Ab” and “F”.

The marks scored by the examinee shall be converted into grade points by dividing the marks scored in the aggregate and dividing the resulting number by maximum marks, multiplying the result by ten, retaining the integer part (ignore the fractional part). Thus, if a person has secured 56 marks out of 100 marks in aggregate for a course, we get $(56/100) \times 10$ which is 5.6. Ignoring the fraction, we get 5 as the grade point.

4. The UGC recommends a 10-point grading system with the following letter grades and points as given below:

Marks Obtained out of 100	Grade Point	Semester GPA / Programme CGPA/ Semester/ Programme	% of Marks	Alpha-Sign /Letter Grade Result
90 - 100	10	9.00 - 10.00	90.0 - 100	O (Outstanding)
80 - 89.99	9	8.00 - < 9.00	80.0 - < 90.0	A+ (Excellent)
70 - 79.99	8	7.00 - < 8.00	70.0 - < 80.0	A (Very Good)
60 - 69.99	7	6.00 - < 7.00	60.0 - < 70.0	B+ (Good)
55 - 59.99	6	5.50 - < 6.00	55.0 - < 60.0	B (Above Average)
50 - 54.99	5	5.00 - < 5.50	50.0 - < 55.0	C (Average)
40 - 49.99	4	4.00 - < 5.00	40.0 - < 50.0	P (Pass)
0 - 39.99	0	Below 4.00	Below 40	F (Fail)
		Ab (Absent)	-	Absent

5. **“Credit Point”**: It is the product of grade point and number of credits for a course.
6. **“Semester Grade Point Average (SGPA)”**: It is a measure of performance of work done in a semester. It is the ratio of sum of the product of the number of credits with the grade points scored by a student in all courses taken by a student and the sum of number of credits of all the courses undergone by a student:

$$SGPA (S_i) = \frac{\sum C_i G_i}{\sum C_i}$$

It shall be expressed up to two decimal places.

7. **“Cumulative Grade Point Average (CGPA)”**: It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme.

$$CGPA = \frac{\sum C_i S_i}{\sum C_i}$$

Where, S_i is the SGPA of the i th semester & C_i is the total number of credits in that semester.

It shall be expressed up to two decimal places.

8. **“Transcript or Grade Card or Certificate”:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA **earned till that semester**.

PROGRAMME INFORMATION AT A GLANCE

ABBREVIATIONS USED

Following abbreviations (arranged alphabetically) are used:

- **AAFA:** “Annual Admission Form Amount” for each year, which is payable amount along with the Admission Form. It includes Mandatory fee, Tuition fee, and End Exam Fee for 2 semesters in an academic year. The exam fee includes the first compulsory end exam attempt for all courses at the semester.
- **AE:** Admission Eligibility
- **Apvl:** Approvals from Statutory Authorities
- **C:** Category of Programme
- **CBCS:** Choice Based Credit System
- **CA:** Continuous Assessment
- **CE:** Certification Eligibility for the award of Diploma/ Degree Certificate
- **DACECT Fee:** Direct Admission, Course Exemption and Credit Transfer Fee
- **EE:** End Examination
- **EEF:** End Exam Fee is payable to university for the first compulsory end exam attempt for all courses at the semester.
- **EF:** Exam Fee is payable to university along with the ‘Exam Form’, for **each** repeat end exam attempt.
- **Grading:** 10 Point Grading is used for result declaration
- **L:** Level of Programme
- **LD:** Library Deposit is refundable. For Indian Citizen Students, LD shall be ₹ 2000, payable to allotted LSC/ Study Center.
- **LSCF/SCF:** Learner Support Center Fee/ Study Center Fee for **each** Year
- **M:** Open and Distance Learning (ODL) Mode is used for Teaching-Learning of Programmes on offer and withdrawn
- **MA:** Maximum number of Attempts
- **MF:** Mandatory Fee
- **MDP:** Minimum Duration of Programme
- **MoI:** Medium of Instruction of Programme
- **MRA:** Minimum Required Attendance for Programme
- **NA:** Not Applicable
- **ODL:** Open Distance Learning
- **P:** Pattern (Semester / Annual) of Programme
- **PG:** Post-Graduate

- **PGD:** Post-Graduate Diploma
- **RS:** Reporting Semesters/ Year
- **RY:** Reporting Year
- **Sem:** Semester
- **Sylb:** Syllabus is available on the University website at www.ycmou.ac.in
- **Total:** Total Fee for each semester
- **Total Tuition Fee:** Total Tuition Fee for each semester consists of following 2 (Two) essential components:
 - University Share Fee (USF)
 - Learner Support Center Fee (LSCF)
- **USF:** University Share Fee (USF) is payable amount at the time of online admission for **each** Year for 2 semesters/ one year in an academic year. University Share fee (USF) also referred as University Tuition Fee.
- **UG:** Under-Graduate
- **VRP:** Valid Registration Period is the maximum duration of the programme required to successfully complete any program for the award of the degree/ diploma. As per UGC notification D.O.No.F.12-1/2015 (CPP-II) dated 15 Oct 2015, VRP for each program is minimum duration of program + 2 and further extension of 01 (one) more year is granted if required. Accordingly, from the year 2022 this School has specified VRP as follows.
 - VRP for 1 Year Diploma Progs is 3 Yrs
 - VRP for 2 Years Post Graduate Degree Progs is 5 Yrs
 - VRP for 3 Years Under Graduate Degree Progs is 6 Yrs
 - VRP for 2 Years Post Graduate programme is **04** Years as per NEP 2020
- **WP:** Withdrawn Programs are those programs for which **fresh/new admissions are stopped** but further admissions are continued by the University. Once program is withdrawn, student need to take further admissions during the specified time-slot for further admissions and need to successfully complete program during specified time slot for End Examination.

PROGRAMMES ON OFFER

For all “**Programmes on Offer**” (**Total 15 Programmes**):

1. Fresh Admissions **shall be offered**
2. Further Admissions **shall be offered**

STATISTICAL INFORMATION ABOUT PROGRAMMES ON OFFER:

Discipline → Level ↓	Skill	Science	Total
Certificate	0	1	1
Diploma	1	2	3
UG	0	2	2
PG	0	6	6
PhD	0	3	3
Total	1	14	15

ESSENTIAL INFORMATION ABOUT ADMISSION

1. **Age:** Student shall be of **18 Yrs** of age at the time of admission to any Programme except C149 and T101 programme
2. **MoI:** Medium of Instruction is **English** for all Programmes except Certificate in Beekeeping (Medium-Marathi)
3. **MRA:** Minimum Required Attendance is 80% for all Programmes
4. During online admission for the first year or direct second year admission few mandatory documents is required. Students should scan and upload all these documents for the eligibility checking and admission confirmation.
5. In case of lack of required documents/ fees, this University has full right to reject or cancel admission of the students.
6. It is the duty of the students and LSCs to follow all the guidelines and schedule specified for the admission.
7. LSCs should check all the required documents uploaded by the students with their originals, before giving LSC approval to the said admission of the student.

MANDATORY DOCUMENTS REQUIRED FOR ADMISSION

LIST OF MANDATORY DOCUMENTS REQUIRED FOR ADMISSION

1. Document in support of Date of Birth (School Leaving Certificate/ SSC Certificate)
2. Aadhar Card

ADDITIONAL DOCUMENTS:

1. Caste Validity Certificate [if required]
3. Marriage Certificate/ Copy of Government Gazette/ Affidavit [If name is changed after marriage or in case of change of name]

PROGRAMME WISE ELIGIBILITY DOCUMENTS REQUIRED FOR ADMISSION

SN	Prog Code and Name	Eligibility for Admission	Documents Required
1	T101: Diploma in Essential Skills (DES){Learn & Earn 2019 Pattern}	SSC (10 th) Pass	SSC (10 th) Marksheet/ Board Certificate
2	C149: Certificate Programme in Beekeeping	SSC (10 th) Pass or Failed	SSC (10 th) Marksheet/ Board Certificate
3	V135: Diploma in Environmental Science {2021 Pattern}	B.Sc./ B.Sc. (Agri)/B.E./ B.Tech./ B. Pharm Graduate Degree or Equivalent pass	All years Marksheetworks/ Degree certificate
4	V137: Diploma In Statistics {2021 Pattern}	Any Graduate Degree or Equivalent Pass	All years Marksheetworks/ Degree certificate
5	V92: B.Sc. (Phy, Che, Maths) {2015 Pattern}	10+2 (12th) Science Pass (with Maths) Or 10+3 or 12+2 Years Engg Diploma approved by Univ/ Board Pass	12th Science (with Maths) Marksheet or Engg. Diploma Marksheetworks of all years/ Diploma Certificate
6	V100: B.Sc. (Bot, Che, Zoo) {2023 Pattern}	10+2 (12th) Science Pass (with Biology) or Equivalent Pass	12 th Science (with Biology) Marksheet
7	V151: M.Sc. (Mathematics) {2023 Pattern}	Any BSc with Maths upto Second year / BA with Maths/ B.E./B.Tech. Degree or Equivalent pass	All years Marksheetworks / Degree certificate

SN	Prog Code and Name	Eligibility for Admission	Documents Required
8	V152: M.Sc. (Environmental Science) {2023 Pattern}	B.Sc./B.Sc. (Agri)/B.E. /B.Tech. /B. Pharm Degree or Equivalent pass	All years Marksheets / Degree certificate
9	V153: M.Sc. (Physics) {2023 Pattern}	B.Sc. (PCM)/B.Sc. with Physics at FY and SY/ B.Sc. (Electronics) /B.E./B. Tech. Degree or Equivalent pass	All years Marksheets / Degree certificate
10	V154: M.Sc. (Chemistry) {2023 Pattern}	B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass	All years Marksheets / Degree certificate
11	V155: M.Sc. (Zoology) {2023 Pattern}	B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass	All years Marksheets / Degree certificate
12	V156: M.Sc. (Botany) {2023 Pattern}	B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass	All years Marksheets / Degree certificate

DACECT

ELIGIBILITY DOCUMENTS REQUIRED FOR ADMISSION

SN	Prog Code and Name	Eligibility for Admission	Documents Required
Direct Admission for Second Year of UG programme			
V92: B.Sc. (Phy, Chem, Maths)			
1	Direct Admission to Second Year [Sem 03 and 04] of V92: B.Sc. (Phy, Che, Maths) {2015 Pattern}	Students who have passed B.Sc. first year (Semester 01 and 02) with Mathematics as one of the subjects from any recognized university.	B.Sc. First Year (Semester 01 and 02) with Mathematics Marksheets
Direct Admission and Course Exemption to the Second year of PG Programme			
V136: M.Sc. (Environmental Science)			
1	Direct Admission to Second Year [Sem 03 and 04] of V136: M.Sc. Environmental Science {2021 Pattern}	Students who have passed M.Sc. (Environmental Science) first year (or Semester 01 and 02) from any recognized university or V135: Diploma in Environmental Science from YCMOU.	V135: Diploma in Environmental Science from YCMOU Marksheets
Credit Transfer for the Courses of the PG Programme			
V135: Diploma in Environmental Science and V136: M.Sc. (Environmental Science)			
1	Credit Transfer in the Course EVSo21 of V135: Diploma in Environmental Science {2021 Pattern}	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	Completion certificate of MOOC on Environmental Sustainability offered in Swayam platform
2	Credit Transfer in the Course EVSo21 of V136: M.Sc. Environmental Science {2021 Pattern}	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	Completion certificate of MOOC on Environmental Sustainability offered in Swayam platform
3	Credit Transfer in the Course EVSo41 of V136: M.Sc. Environmental Science {2021 Pattern}	Students who have successfully completed MOOC offered in Swayam platform on Sustainable Management of Biodiversity	Completion certificate of MOOC on 'Sustainable Management of Biodiversity' offered in Swayam platform

PROGRAMME ELIGIBILITY AND FEES

SKILL PROGRAMMES

Programme	Essential Information	Fees in ₹	Admission: Annual admission in each year	Examination	
Diploma (01 Programme)					
T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern} Sem:2 Credits: 48 Courses: 10 VRP: 03 Yrs	CBCS: NA Grading: Yes C: General Skill L: Diploma P: Semester MDP: 1 year after SSC Apvl: NA	For Programme		AE: Fresh: SSC (10 th) Pass. Further: NA CE: Min 35% RS: Sem 01 & 02 MA: CA: Only 01 Attempt during each semester EE: Single EE attempt during red semester till last end exam, if specified	
		Desc	Amount		
		MF	568		
		Tuition Fee	USF		1050
			LSCF		Nil
		EEF	2040		
		AAFA	3658		
*₹350 to be paid separately for Certificate					

SCIENCE PROGRAMMES

Programme	Essential Information	Fees in ₹	Admission: Annual Admission in each year	Examination	
Certificate (01 Programmes)					
C149: Certificate Programme in Beekeeping [मधुमक्षिका पालन कौशल्य]	CBCS: NA Grading: Yes C: General Skill L: Certificate P: Semester MDP: 6 Months after 10 th Pass or Fail Apvl: NA MoI: Marathi	For Programme		AE: Fresh: 10 th Pass or Fail Further: NA CE: Min 40% RS: Sem 01 MA: CA: Only 01 Attempts during each semester EE: Single EE attempt during semester till last end exam, if specified	
		Desc	Amount		
		MF	430		
		Tution Fee	USF		500
			LSCF		600
□EF	420				
AAFA	1950				
*₹ 350 to be paid separately for Certificate					
Diploma (02 Programmes)					
V135: Diploma in Environmental Science {2021 Pattern} Sem:2 Credits: 32 Courses: 08 VRP: 03 Yrs	CBCS: NA Grading: Yes C: General L: Diploma P: Semester MDP: 1 year after UG Apvl: NA	For Programme		AE: Fresh: B.Sc. / B.Sc. (Agri)/B.E./ B.Tech. / B. Pharm Graduate Degree or Equivalent pass. Further: NA CE: Min 40% RS: Sem 01 & 02 MA: CA: Only 01 Attempts during each semester EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	Amount		
		MF	968		
		Tution Fee	USF		6100
			LSCF		12000
EEF	1640				
AAFA	20708				
Note: Credit Transfer fee of Rs 1000/- applicable for the course EVS021 [if applied and eligible] {MOOC done on Swayam Platform}					
V137: Diploma In Statistics {2021 Pattern} Sem:2 Credits: 32 Courses: 08 VRP: 03 Yrs	CBCS: NA Grading: Yes C: General L: Diploma P: Semester MDP: 1 year after UG Apvl: NA	For Programme		AE: Fresh: Any Degree/ Under-Graduate Pass from recognized University. Further: NA CE: Min 40% RS: Sem 01 & 02 MA: CA: Only 01 Attempts during each semester EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	Amount		
		MF	568		
		Tution Fee	USF		1150
			LSCF		2000
EEF	1640				
AAFA	5358				
*₹ 350 to be paid separately for Certificate					

Programme	Essential Information	Fees in ₹	Admission: Annual Admission in each year	Examination		
Under-Graduate Degree (02 Programme)						
V92: B.Sc. (Phy, Che, Maths) {2015 Pattern} Sem: 6 Credits: 132 Courses: 42 VRP: 06Yrs	CBCS: Y es Grading: Yes C: General L: UG P: Semester MDP: 3 years after HSC Apvl: UGC	For each Year		AE: Fresh: 10+2 (12th) Science Pass (with Maths) or passed in 10+3 or 12+2 Years Engg Diploma approved by Univ/ Board Further: Yes	CE: Min 40% RS: Sem 05 & 06 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount			
		1 st yr	9628			
		2 nd yr	9518			
	3 rd yr	9878				
		MF	Tution Fee		EEF	AAFA
			USF	LSCF		
	1 st yr	608	2100	4000	2920	9628
	2 nd yr	498	2100	4000	2920	9518
3 rd yr	858	2100	4000	2920	9878	
Direct Admission to Second Year of V92 BSc: B.Sc. (Phy, Che, Maths) {2015 Pattern}	-	For Second Year		Direct AE: Fresh: B.Sc. first year with Mathematics as one of the subjects pass from any recognized university.	CE: Min 40% RS: Sem 05 & 06 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	Amount			
		DACECT	2100			
		MF	608			
		Tution Fee	USF 2100 LSCF 4000			
		EEF	2920			
		AAFA	11728			
		V100: B.Sc. (Bot, Che, Zoo) {2023 Pattern} Sem: 6 Credits: 132 Courses: 42 VRP: 06 Yrs	CBCS: Yes Grading: Yes C: General L: UG P: Semester MDP: 3 years after HSC Apvl: UGC			For First Year
Desc	Amount					
MF	608					
Tution Fee	USF 2100 LSCF 4000					
EEF	2920					
AAFA	9628					
Post-Graduate Degree (06 Programmes)(NEP2020)						
V151: M.Sc. (Mathematics) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020 : Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		AE: Fresh: Any BSc with Maths upto Second year/ BA with Maths/ BE/ BTech or Degree or Equivalent pass Further: NA	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc	AAFA Amount			
		1 st yr	14608			
		2 nd yr	14858			
		MF	Tution Fee		EEF	AAFA
			USF	LSCF		
	1 st yr	608	6000	6000	2000	14608
	2 nd yr	858	6000	6000	2000	14858

Programme	Essential Information	Fees in ₹		Admission: Annual Admission in each year	Examination
V152: M.Sc. (Environmental Science) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		AE: Fresh: B.Sc./B.Sc. (Agri)/B.E./ B.Tech./B. Pharm. Degree or Equivalent pass Further: NA	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
		Desc	AAFA Amount		
		1 st yr	20348		
		2 nd yr	20708		
		Note: Credit Transfer fee of Rs 1000/- per course applicable for the courses EVS021/EVS515 and and EVS041/ EVS606 [if applied and eligible] {MOOC done on Swayam Platform}			
	MF	Tuition Fee		EEF	AAFA
		USF	LSCF		
1 st yr	608	6100	12000	1640	20348
2 nd yr	858	6100	12000	1750	20708
V153: M.Sc. (Physics) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		AE: Fresh: B.Sc. (PCM)/ B.Sc. with Physics at FY and SY/ B.Sc. (Electronics)/ B.E./B. Tech. Degree or Equivalent pass Further: NA	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
		Desc	AAFA Amount		
		1 st yr	23088		
		2 nd yr	23228		
	MF	Tuition Fee		EEF	AAFA
		USF	LSCF		
1 st yr	608	8000	12000	2480	23088
2 nd yr	858	8000	12000	2370	23228
V154: M.Sc. (Chemistry) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		AE: Fresh: B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass Further: NA	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
		Desc	AAFA Amount		
		1 st yr	23088		
		2 nd yr	23228		
	MF	Tuition Fee		EEF	AAFA
		USF	LSCF		
1 st yr	608	8000	12000	2480	23088
2 nd yr	858	8000	12000	2370	23228
V155: M.Sc. (Zoology) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		AE: Fresh: B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further: NA	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
		Desc	AAFA Amount		
		1 st yr	23088		
		2 nd yr	23228		

Programme	Essential Information	Fees in ₹		Admission: Annual Admission in each year		Examination		
			MF	Tution Fee		EEF	AAFA	
				USF	LSCF			
		1 st yr	608	8000	12000	2480	23088	
		2 nd yr	858	8000	12000	2370	23228	
V156: M.Sc. (Botany) {2023 Pattern} Sem: 4 Credits: 88 Courses: 23 VRP: 04 Yrs	NEP2020: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year				AE: Fresh: B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further: NA	CE: Min 40% RS: Sem 01 to 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		Desc		AAFA Amount				
		1 st yr		23088				
		2 nd yr		23228				
				MF	Tution Fee		EEF	AAFA
					USF	LSCF		
			1 st yr	608	8000	12000	2480	23088
			2 nd yr	858	8000	12000	2370	23228
	Ph.D. Degree (03 Programmes)							
	R91: Ph.D. (Chemistry) {2019 Pattern} Credits: 72 Courses: 3 VRP: 05 Yrs	CBCS: No Grading: Yes C: Research L: Doctoral M: Part Time Regular Mode P: Semester MDP: 3 years after M.Sc. Chemistry/ equi. Apvl: UGC	For each Year [From AY 2021-22 and onwards]				AE: Fresh: As per UGC Regulations and University Ordinance Further: NA	CE: Min 55% in each course of Course Work CA: NA EE: EE attempt after course work specified by Exam and University Research Cell (URC)
Desc			Amount					
Tution Fee			20000					
*Research Report Submission			USF	14000				
			EE	4000				
Tution Fee for Extension of Registration period			20000					
(Note: *Applicable only for last year)								
R92: Ph.D. (Environmental Science) {2019 Pattern} Credits: 72 Courses: 3 VRP: 05 Yrs	CBCS: No Grading: Yes C: Research L: Doctoral M: Part Time Regular Mode P: Semester MDP: 3 years after M.Sc. Environmental Science/ equi. Apvl: UGC	For each Year [From AY 2021-22 and onwards]				AE: Fresh: As per UGC Regulations and University Ordinance Further: NA	CE: Min 55% in each course of Course Work CA: NA EE: EE attempt after course work specified by Exam and University Research Cell (URC)	
		Desc		Amount				
		Tution Fee		20000				
		*Research Report Submission	USF	14000				
			EE	4000				
		Tution Fee for Extension of Registration period		20000				
		(Note: *Applicable only for last year)						

Programme	Essential Information	Fees in ₹	Admission: Annual Admission in each year	Examination															
R41: Ph.D. (Geology) {2019 Pattern} Credits: 72 Courses: 3 VRP: 05 Yrs	CBCS: No Grading: Yes C: Research L: Doctoral M: Part Time Regular Mode MDP: 3 years after M.Sc. Geology/ equi. Apvl: UGC	For each Year [From AY 2021-22 and onwards]	AE: Fresh: As per UGC Regulations and University Ordinance Further: NA	CE: Min 55% in each course of Course Work CA: NA EE: EE attempt after course work specified by Exam and University Research Cell (URC)															
		<table><tr><th>Desc</th><th colspan="2">Amount</th></tr><tr><td>Tuition Fee</td><td colspan="2">20000</td></tr><tr><td rowspan="2">*Research Report Submission</td><td>USF</td><td>14000</td></tr><tr><td>EE</td><td>4000</td></tr><tr><td>Tuition Fee for Extension of Registration period</td><td colspan="2">20000</td></tr></table>			Desc	Amount		Tuition Fee	20000		*Research Report Submission	USF	14000	EE	4000	Tuition Fee for Extension of Registration period	20000		
		Desc			Amount														
		Tuition Fee			20000														
		*Research Report Submission			USF	14000													
					EE	4000													
Tuition Fee for Extension of Registration period	20000																		
(Note: *Applicable only for last year)																			

Important Notice Regarding Fresh Admission for Post Graduate Programmes:

From this Academic Year 2023-24, this school will offer the two-year Post Graduate/Master's Degree Programmes based on the credit and curricular framework of the National Education Policy (NEP) 2020. Therefore, no fresh or new admissions, including direct admissions, will be allowed for the the following programmes. Only further admission to second year will be allowed starting from the Academic Year 2023-24.

1. V130: M.Sc. (Mathematics) - 2021 Pattern
2. V136: M.Sc. (Environmental Science) - 2021 Pattern
3. V141: M.Sc. (Physics) - 2022 Pattern
4. V142: M.Sc. (Chemistry) - 2022 Pattern
5. V143: M.Sc. (Zoology) - 2022 Pattern
6. V144: M.Sc. (Botany) - 2022 Pattern

PROGRAMME FEE DISTRIBUTION DETAILS:

PART A- MANDATORY FEE

		For 3 Year Programme - B.Sc.(PCM) & B.Sc.(BCZ)					For 2 Year Programme - All M.Sc.			For 1 year Diploma Programme (V135)	For 1 year Diploma Programme (T101&V137)	For 1 year Certificate Programme (C149)
S N	Particulars	1st yr	2nd yr	3rd yr	Direct 2nd yr		1st yr	2nd yr	Direct 2nd yr	1st yr	1st yr	1st yr
1	Registration Fees	200	200	200	200		200	200	200	200	200	200
2	Eligibility Fee	100	-	-	100		100	-	100	100	100	100
3	Identity Card Fee	10	-	-	10		10	-	10	10	10	10
4	Prospectus Fee	50	50	50	50		50	50	50	50	50	50
5	e-Suvidha/ e-Services Fee	60	60	60	60		60	60	60	60	60	60
6	Library Fee	10	10	10	10		10	10	10	10	-	-
7	Chancellor's Office Events Fees	38	38	38	38		38	38	38	38	38	-
8	Sports Fees	50	50	50	50		50	50	50	50	50	-
9	DSW Fees	50	50	50	50		50	50	50	50	50	-
10	Disaster Management Fees	10	10	10	10		10	10	10	10	-	-
11	NSS Fees	10	10	10	10		10	10	10	10	-	-
12	Alumni Fees	-	-	10	-		-	10	10	10	10	10
13	Sanvad Fees	10	10	10	10		10	10	10	10	-	-
14	Graduation/ Convocation Fees	-	-	350	-		-	350	350	350	*350	*350
15	Student Insurance Fees	10	10	10	10		10	10	10	10	-	-
	Annual Total Mandatory Fees	608	498	858	608		608	858	968	968	568	430
<p style="text-align: center;">Note: All Fees are in Rupees</p> <p style="text-align: center;">* Student has to apply for certificate by paying Rs 350/- separately only for T101, V137 & C149</p>												

PART B: FEES: SCHOOL OF SCIENCES FEE STRUCTURE 2023-24

(Note: T-Tuition Fee, A –Mandatory Fee and B2- End Exam Fee per Year)

SN	Name of Programme	No. of Credits	Per Credit Fee in ₹	Duration in years	T Tuition Fee in ₹	A Part Fee in ₹	B2 part Fee in ₹	DACECT (D)	Total ₹ (T+A +B2+ D)	USF in ₹	LSCF in ₹
1	V151: M.Sc.(Maths) (1st yr)	44	272.72	1	12000	608	2000	0	14608	6000	6000
2	V130: M.Sc.(Maths) (2nd yr)	40	300	1	12000	858	2000	0	14858	6000	6000
3	V152: M.Sc. (EVS) (1st yr)	44	411.36	1	18100	608	1640	0	20348	6100	12000
4	V136: M.Sc. (EVS) (2nd yr)	32	565.625	1	18100	858	1750	0	20708	6100	12000
5	V153: M.Sc.(Physics) (1st yr)	44	454.54	1	20000	608	2480	0	23088	8000	12000
6	V141: M.Sc. (Physics) (2nd yr)	40	500	1	20000	858	2370	0	23228	8000	12000
7	V154: M.Sc.(Chemistry) (1st yr)	44	454.54	1	20000	608	2480	0	23088	8000	12000
8	V142: M.Sc. (Chemistry) (2nd yr)	40	500	1	20000	858	2370	0	23228	8000	12000
9	V155: M.Sc. (Zoology) (1st yr)	44	454.54	1	20000	608	2480	0	23088	8000	12000
10	V143: M.Sc. (Zoology) (2nd yr)	40	500	1	20000	858	2370	0	23228	8000	12000
11	V156: M.Sc. (Botany) (1st yr)	44	454.54	1	20000	608	2480	0	23088	8000	12000
12	V144: M.Sc. (Botany) (2nd yr)	40	500	1	20000	858	2370	0	23228	8000	12000
13	V135: Diploma in (EVS)	32	565.625	1	18100	968	1640	0	20708	6100	12000
14	V136: M.Sc. (EVS) (Direct 2nd yr)	32	565.625	1	18100	968	1750	6100	26918	6100	12000
15	V137: Diploma in Statistics	32	98.4375	1	3150	568	1640	0	5358	1150	2000
16	V92: Bachelor of Science(PCM) (1st yr)	44	138.64	1	6100	608	2920	0	9628	2100	4000
17	V92: Bachelor of Science(PCM) (2nd yr)	44	138.64	1	6100	498	2920	0	9518	2100	4000
18	V92: Bachelor of Science(PCM) (Direct 2nd yr)	44	138.64	1	6100	608	2920	2100	11728	2100	4000
19	V92: Bachelor of Science(PCM) (3rd yr)	44	138.64	1	6100	858	2920	0	9878	2100	4000
20	V100: Bachelor of Science(BCZ) (1st yr)	44	138.64	1	6100	608	2920	0	9628	2100	4000
21	T101: Dip. In Essential Skills (L & E)	48	21.875	1	1050	568	2040	0	3658	1050	0
22	C149: Certificate in Bee Keeping	8	137.5	6 Month	1100	430	420	0	1950	500	600

WITHDRAWN PROGRAMMES

For all “Withdrawn Programmes” (Total 14 Programmes):

1. Fresh Admissions **shall not be offered**
2. Further Admissions **shall be offered during specified valid registration period**

STATISTICAL INFORMATION ABOUT WITHDRAWN PROGRAMMES:

Discipline → Level ↓	Design	Science	Architecture	Technology	Total
Diploma	0	0	0	0	0
PG Diploma	0	0	0	0	0
UG	1	1	1	0	3
PG	0	11	0	0	11
Total	1	12	1	0	14

Note: Refer Schedule of Last Further Admission Time Slot and End Exam Slot for **Withdrawn Programmes mentioned on page 4**

DESIGN PROGRAMMES

Programme	Essential Information	Fees in ₹ [Only UPF is payable at the University]	Admission: Annual Admission in each year	Examination
Under-Graduate Degree (01 Programmes)				
V28: B.Des. {2014 Pattern} Sem: 8 Credits: 192 Courses: 55	CBCS: No Grading: No C: Professional L: UG P: Semester MDP: 4 years after HSC Apvl: UGC	For eachYear		CE: Min 50% RS: Sem 07 & 08
		Desc	Amount	AE: Fresh: No Further: No Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number.
		UPF	17100	
		LSCF	39000	
		Total	56100	
		MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified		

ARCHITECTURE PROGRAMMES

Programme	Essential Information	Fees in ₹ [Only UPF is payable at the University]	Admission: Annual Admission in each year	Examination
Under-Graduate Degree (01 Programme)				
V22: B.Arch. (General) {2010 Pattern} Sem: 10 Credits: 240 Courses:62	CBCS: No Grading: No C: Professional L: UG M: FT-FTF-EWEL P: Semester MDP: 5 years after HSC Apvl: UGC, CoA	For eachYear		CE: Min 50% RS: Sem 07 & 08
		Desc	Amount	MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
		UPF	17100	
		LSCF	39000	
		Total	56100	
		AE: Fresh: No Further: No Sem '1 to x' passes for Sem 'x+4' admission where 'x' is odd number.		

SCIENCE PROGRAMMES

Programme	Essential Information	Fees in ₹	Admission: Annual Admission in each year	Examination
Under-Graduate Degree (01 Programmes)				

V96: B.Sc. (Actuarial Science) {2016 Pattern} Sem: 6 Credits: 96 Courses: 24	CBCS: Yes Grading: Yes C: General L: UG P: Semester MDP: 3 years after HSC Apvl: UGC	For eachYear		AE: Fresh: No Further: No		CE: Min 40% RS: Sem 05 & 06 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																						
		<table><tr><td>Desc</td><td>Amount</td></tr><tr><td>UPF</td><td>34100</td></tr><tr><td>LSCF</td><td>78000</td></tr><tr><td>Total</td><td>112100</td></tr></table>		Desc	Amount	UPF	34100	LSCF	78000	Total	112100	Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number.																
Desc	Amount																											
UPF	34100																											
LSCF	78000																											
Total	112100																											
Post-Graduate Degree (11 Programmes)																												
V130: M.Sc. (Mathematics) {2021 Pattern} Sem: 4 Credits: 80 Courses: 20 VRP: 05 Yrs	CBCS: No Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For each Year		AE: Fresh: NA Any BSc with Mathsupto Second year/ BA with Maths/ BE/ BTech or Degree or Equivalent pass Further: Yes		CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																						
		<table><tr><td>Desc</td><td>AAFA Amount</td></tr><tr><td>1styr</td><td>14608</td></tr><tr><td>2ndyr</td><td>14858</td></tr></table>		Desc	AAFA Amount	1 st yr	14608	2 nd yr	14858																			
		Desc	AAFA Amount																									
		1 st yr	14608																									
2 nd yr	14858																											
		<table><tr><td></td><td>MF</td><td colspan="2">Tution Fee</td><td rowspan="2">EEF</td><td rowspan="2">AAFA</td></tr><tr><td></td><td></td><td>USF</td><td>LSCF</td></tr><tr><td>1styr</td><td>608</td><td>6000</td><td>6000</td><td>2000</td><td>14608</td></tr><tr><td>2ndyr</td><td>858</td><td>6000</td><td>6000</td><td>2000</td><td>14858</td></tr></table>			MF	Tution Fee		EEF	AAFA			USF	LSCF	1 st yr	608	6000	6000	2000	14608	2 nd yr	858	6000	6000	2000	14858			
	MF	Tution Fee		EEF	AAFA																							
		USF	LSCF																									
1 st yr	608	6000	6000	2000	14608																							
2 nd yr	858	6000	6000	2000	14858																							
V136: M.Sc. (Environmental Science) {2021 Pattern} Sem: 4 Credits: 64 Courses: 16 VRP: 05 Yrs	CBCS: No Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For eachYear		AE: Fresh:NA B.Sc./B.Sc. (Agri)/B.E. /B.Tech./B. Pharm. Degree or Equivalent pass Further: Yes		CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																						
		<table><tr><td>Desc</td><td>AAFA Amount</td></tr><tr><td>1styr</td><td>20348</td></tr><tr><td>2ndyr</td><td>20708</td></tr></table> <p>Note: Credit Transfer fee of Rs 1000/- per course applicable for the courses EVS021 and EVS041 [if applied and/or eligible] {MOOC done on Swayam Platform}</p>		Desc	AAFA Amount	1 st yr	20348	2 nd yr	20708																			
		Desc	AAFA Amount																									
		1 st yr	20348																									
2 nd yr	20708																											
		<table><tr><td></td><td>MF</td><td colspan="2">Tution Fee</td><td rowspan="2">EEF</td><td rowspan="2">AAFA</td></tr><tr><td></td><td></td><td>USF</td><td>LSCF</td></tr><tr><td>1st yr</td><td>608</td><td>6100</td><td>12000</td><td>1640</td><td>20348</td></tr><tr><td>2nd yr</td><td>858</td><td>6100</td><td>12000</td><td>1750</td><td>20708</td></tr></table>			MF	Tution Fee		EEF	AAFA			USF	LSCF	1 st yr	608	6100	12000	1640	20348	2 nd yr	858	6100	12000	1750	20708			
	MF	Tution Fee		EEF	AAFA																							
		USF	LSCF																									
1 st yr	608	6100	12000	1640	20348																							
2 nd yr	858	6100	12000	1750	20708																							
V141: M.Sc. (Physics) {2022 Pattern} Sem: 4 Credits: 80 Courses: 26 VRP: 05 Yrs	CBCS: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For eachYear		AE: Fresh: NA B.Sc. (PCM)/ B.Sc. with Physics at FY and SY/ B.Sc. (Electronics)/ B.E./B. Tech. Degree or Equivalent pass Further: Yes		CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified																						
		<table><tr><td>Desc</td><td>AAFA Amount</td></tr><tr><td>1st yr</td><td>23088</td></tr><tr><td>2nd yr</td><td>23228</td></tr></table>		Desc	AAFA Amount	1 st yr	23088	2 nd yr	23228																			
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		1 st yr	23088																									
2 nd yr	23228																											
		<table><tr><td></td><td>MF</td><td colspan="2">Tution Fee</td><td rowspan="2">EEF</td><td rowspan="2">AAFA</td></tr><tr><td></td><td></td><td>USF</td><td>LSCF</td></tr><tr><td>1st yr</td><td>608</td><td>8000</td><td>12000</td><td>2480</td><td>23088</td></tr><tr><td>2nd yr</td><td>858</td><td>8000</td><td>12000</td><td>2370</td><td>23228</td></tr></table>			MF	Tution Fee		EEF	AAFA			USF	LSCF	1 st yr	608	8000	12000	2480	23088	2 nd yr	858	8000	12000	2370	23228			
	MF	Tution Fee		EEF	AAFA																							
		USF	LSCF																									
1 st yr	608	8000	12000	2480	23088																							
2 nd yr	858	8000	12000	2370	23228																							

V142: M.Sc. (Chemistry) {2022 Pattern} Sem: 4 Credits: 80 Courses: 26 VRP: 05 Yrs	CBCS: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For eachYear		AE: Fresh: NA B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass Further: Yes		CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		MF	Tution Fee		EEF	AAFA	
			USF	LSCF			
		1 st yr	608	8000	12000	2480	23088
		2 nd yr	858	8000	12000	2370	23228

V143: M.Sc. (Zoology) {2022 Pattern} Sem: 4 Credits: 80 Courses: 26 VRP: 05 Yrs	CBCS: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For eachYear		AE: Fresh: NA B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further: Yes		CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		MF	Tution Fee		EEF	AAFA	
			USF	LSCF			
		1 st yr	608	8000	12000	2480	23088
		2 nd yr	858	8000	12000	2370	23228

V144: M.Sc. (Botany) {2022 Pattern} Sem: 4 Credits: 80 Courses: 26 VRP: 05 Yrs	CBCS: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after UG Apvl: UGC	For eachYear		AE: Fresh: NA B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further: Yes		CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified	
		MF	Tution Fee		EEF	AAFA	
			USF	LSCF			
		1 st yr	608	8000	12000	2480	23088
		2 nd yr	858	8000	12000	2370	23228

V131: M.Sc. (Physics) {2021 Pattern} Year: 2 Credits: 48 Courses: 16 VRP: 05 Yrs	CBCS: No Grading: Yes C: General L: PG P: Year MDP: 2 years after UG Apvl: UGC	For each Year		AE: Fresh: NA B.Sc. (PCM)/ B.Sc. with Physics at FY and SY/ B.Sc. (Electronics)/ B.E./B. Tech. Degree or Equivalent pass Further: NA		CE: Min 40% RY: Year 02 MA: CA: Max Single Attempt EE: Single EE attempt during each year till last end exam, if specified
		Desc	Amount			
		UPF	8000			
	LSCF	12000				
	Total	20000				

V132: M.Sc. (Chemistry) {2021 Pattern} Year: 2 Credits: 48 Courses: 16 VRP: 05 Yrs	CBCS: No Grading: Yes C: General L: PG P: Year MDP: 2 years after UG Apvl: UGC	For eachYear		AE: Fresh: NA B.Sc. (PCM)/ B.Sc. with Chemistry at FY and SY or Equivalent pass Further: NA		CE: Min 40% RY: Year 02 MA: CA: Max Single Attempt EE: Single EE attempt during each year till last end exam, if specified
		Desc	Amount			
		UPF	8000			
	LSCF	12000				
	Total	20000				

V133: M.Sc. (Zoology) {2021 Pattern} Year: 2 Credits: 48 Courses: 16 VRP: 05 Yrs	CBCS: No Grading: Yes C: General L: PG P: Year MDP: 2 years after UG Apvl: UGC	For each Year <table><tr><td>Desc</td><td>Amount</td></tr><tr><td>UPF</td><td>8000</td></tr><tr><td>LSCF</td><td>12000</td></tr><tr><td>Total</td><td>20000</td></tr></table>		Desc	Amount	UPF	8000	LSCF	12000	Total	20000	AE: Fresh: NA B.Sc. with Zoology at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further: NA	CE: Min 40% RY: Year02 MA: CA: Max Single Attempt EE: Single EE attempt during each year till last end exam, if specified
Desc	Amount												
UPF	8000												
LSCF	12000												
Total	20000												
V134: M.Sc. (Botany) {2021 Pattern} Year: 2 Credits: 48 Courses: 16 VRP: 05 Yrs	CBCS: No Grading: Yes C: General L: PG P: Year MDP: 2 years after UG Apvl: UGC	For each Year <table><tr><td>Desc</td><td>Amount</td></tr><tr><td>UPF</td><td>8000</td></tr><tr><td>LSCF</td><td>12000</td></tr><tr><td>Total</td><td>20000</td></tr></table>		Desc	Amount	UPF	8000	LSCF	12000	Total	20000	AE: Fresh: NA B.Sc. with Botany at FY and SY/ B.Sc. (Agri) Degree or Equivalent pass Further: NA	CE: Min 40% RY: Year 02 MA: CA: Max Single Attempt EE: Single EE attempt during each year till last end exam, if specified
Desc	Amount												
UPF	8000												
LSCF	12000												
Total	20000												
V58: M.Sc. (Environmental Science) {2015 Pattern} Sem: 4 Credits: 64 Courses: 16 VRP: 05 Yrs	CBCS: Yes Grading: Yes C: General L: PG P: Semester MDP: 2 years after B.Sc. / B.E. / B.Tech./ B. Pharm/BAMS Apvl: UGC	For each Year <table><tr><td>Desc</td><td>Amount</td></tr><tr><td>UPF</td><td>6100</td></tr><tr><td>LSCF</td><td>12000</td></tr><tr><td>Total</td><td>18100</td></tr></table>		Desc	Amount	UPF	6100	LSCF	12000	Total	18100	AE: Fresh: NA Further: NA	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
Desc	Amount												
UPF	6100												
LSCF	12000												
Total	18100												

LEARN AND EARN SCHEME

The 'YashwantraoChavan Maharashtra Open University (YCMOU)' had signed "Agreement" on **03-07-2018** with the organization "**Abhinav Institute of Technology & Management**", registered office at "601, 6th Floor, Paradise Tower, Gokhale Road, Thane (West) – 400 602" to offer skill based academic programmes under '**Learn and Earn**' scheme.

🇮🇳 Government of Maharashtra has released **Government Resolution (GR) No. 201803131751197708 dated 13th March 2018** to implement this Learn and Earn Scheme jointly by YCMOU and the recognized LSC/ Study Center of this University.

This **organization is duly approved as "YCMOU LSC" to implement this scheme is as follow:**

Students enrolled under "Learn and Earn" scheme are placed various industries or business units as an '**Apprentice**' under the 'Apprenticeship Act 1961' to acquire and master various skills in 'real' work environment. But, students under this scheme **are not allowed to place as an 'Apprentice' in hazardous industries**. Presently, **only** following programmes are offered under this scheme:

1. **T101: Diploma in Essential Skills (DES)**

The Government of Maharashtra has approved this scheme and the students under the '**Learn and Earn**' scheme have been declared as '**Apprentice**' under the 'Apprenticeship Act 1961', up to the **period of 2 years**.

"**National Skill Qualification Framework (NSQF)**" is the current thrust area for the Maharashtra state as well as Central Government. In line with this state and national mission and framework, this University offer Skill diploma programmes at **Level 3 and 4 of NSQF** in skill education discipline.

STUDENTS BENEFITS

Apart from the essential facilities (**@ pre-informed subsidized rates**) such as canteen, uniform, safety shoes etc. for **each** student, the cost of the education is also paid by the respective industry or business unit. In addition to this, respective industry or business unit also pays the **specified monthly stipend** to **each** student apprentice as per the prevalent provisions of 'Apprenticeship Act 1961'. Presently, monthly stipend offered to **each** student apprentice is as given below:

1. During 1 year duration of "**T101: Diploma in Essential Skills (DES)**" programme: **₹8000/- to ₹8500/- approximately** during each month

TEACHING-LEARNING

Above LSC/ Study Center/ organization is required to arrange the following activities:

- **Learning Resource:** Self-Learning-Material (SLM) i.e., Study Material shall be made available by the University in eBook/ electronic format for **free download under EBooks on the University Website at <http://www.ymou.ac.in/>**, accessible on the web page of School of Sciences and further distribution by the recognized LSC. The LSC may provide this Learning Resource in print form to all enrolled students for learn and earn scheme.
- **Counseling Sessions:** LSC will arrange 12 face-to-face classroom counseling sessions of 1 clock hour duration for **each** Theory Type of Course (Subject) of **4 Credits** at the work place of the students or on weekly off-days at the LSC/ Study Center.
- **Mobile ready lectures:** can be used for teaching-learning. This offers much better consistent quality and unprecedented flexibility of learning from anywhere, anytime. After initial onetime download, Mobile ready lecture modules can be repeated multiple numbers of

times without live Internet connection. Hence, LSC may develop 40–60 Mobile ready lecture modules, **each** of 10 ± 02 minutes duration for **each** course (subject) **along with and** monthly face-to-face single lecture of 1 hour duration at **each** industry where students are placed, from 'real' teacher.

- **On-Job Training:** Above LSC/ organization is required to arrange “On-Job Training” for specified hours, under guidance and supervision of qualified and experienced **Mentor/ Supervisor/ Counsellor** at allotted service unit, industry unit.

EXAMINATION

1. Conduct of “Continuous Assessment (CA)” **and** reporting of CA marks for each student shall be responsibility of the respective LSC for all courses.
2. Conduct of “End Examination (EE)” **and** reporting of EE marks for each student shall be responsibility of the respective LSC for all Activity type of courses like “On Job Training”.
3. Conduct of “End Examination (EE)” **and** reporting of EE marks for each student shall be responsibility of the university for **all Theory type of courses**.
4. **Separate and independent passing:** Grade Point 4 (minimum passing percentage) in EE and CA shall be essential for each course at each semester. Hence, student must score following minimum marks for successful completion of each course.
 - a. Minimum 28 marks out of 80 marks in End Exam is essential and
 - b. Minimum 07 marks out of 20 marks in CA is essential and
 - c. Hence ‘total of CA+EE’ requires minimum **35** marks out of maximum **100** marks for each Theory type of courses
 - d. Minimum **70** marks out of maximum **200** marks for each Term-work/Activity type of courses
5. Only **1 attempt** for EE for each course shall be allowed in each semester.
6. LSC/Study Center may provide maximum 2 attempts for CA, for each course in each semester. But only one best score out of two CA shall be reported to the Exam Division of University in the specified format.
7. “CA, EE and Total marks” shall be separately reported for each course in the transcript or mark-statement at each semester
8. Total student evaluation for
 - a. Each semester shall be for 600 marks.
 - b. Each Diploma shall be for 1200 marks.
9. Only best of past performance shall be reported in transcript or mark statement.
10. **Certification Eligibility (CE)** - After successful completion of all courses at all semester of the academic programme, student is eligible for certification only after aggregate 35% marks in End Examination

A. Continuous Assessment for Theory and Term-Work type of Courses

Continuous Assessment (CA) is Open-Book Formative Evaluation without supervision conducted by the Counselor for the respective course at each LSC/ Study Center. **Mentor/Counsellor/Supervisor shall prepare question paper for each CA to be conducted.**

CA for each credit point block shall be for 5 marks only. For 4 Credit course CA shall be conducted for 20 Marks.

1. Type of CA: 20 MCQs for 20 Marks **or** 04 SAQs each of 5 Marks for total 20 Marks
2. Number of attempts for **each** CA, during **each** semester: **01**
3. CA has 20% weightage in “Total Marks”
4. Students who do not opt CA or remain absent for CA, zero marks shall be reported in the mark-statement.
5. CA is **not** applicable for **Term-Work type courses**

B. End Examination

Course Type → Evaluation Type ↓	Theory	Term-Work															
End Examination (EE) with following all features: (01) Close-Book, With Supervision (02) At specified Date, Time and Exam Center (03) During May/Jun or Nov/Dec	As per the University Schedule May/Jun or Nov/Dec of each year, “End Examination (EE)” of total 80 Marks and 16 “Short Answer Questions (SAQs)” each of 05 marks (4 out of 5 SAQs on each Credit), During 120 Minutes. End Exam Marks shall have 80% weightage in Total Marks.	At the end of each semester, each Mentor at each industry or business unit and “1 (one) external expert” to be appointed by the LSC/ Study Center will complete “End Exam (EE)” for all allotted students as follows: Internal Mentor/ Supervisor/Counsellor and External Expert each will have 50% weightage. Time Schedule: Immediately after Theory End Exam during each Semester in May/Jun or Nov/Dec Duration: 180 minutes Total Marks: 200 Marks															
		<table><tr><td>Parameter</td><td>Internal Mentor (out of 100 Marks)</td><td>External Expert (out of 100 Marks)</td></tr><tr><td>Punctuality as per thumb attendance record</td><td>Out of 20</td><td>Out of 20</td></tr><tr><td>Term work submission</td><td>Out of 20</td><td>Out of 20</td></tr><tr><td>Understanding about the nature of job role at workplace</td><td>Out of 20</td><td>Out of 20</td></tr><tr><td>Skill Proficiency by Viva on Mini Project</td><td>Out of 40</td><td>Out of 40</td></tr></table>	Parameter	Internal Mentor (out of 100 Marks)	External Expert (out of 100 Marks)	Punctuality as per thumb attendance record	Out of 20	Out of 20	Term work submission	Out of 20	Out of 20	Understanding about the nature of job role at workplace	Out of 20	Out of 20	Skill Proficiency by Viva on Mini Project	Out of 40	Out of 40
		Parameter	Internal Mentor (out of 100 Marks)	External Expert (out of 100 Marks)													
		Punctuality as per thumb attendance record	Out of 20	Out of 20													
		Term work submission	Out of 20	Out of 20													
		Understanding about the nature of job role at workplace	Out of 20	Out of 20													
		Skill Proficiency by Viva on Mini Project	Out of 40	Out of 40													

FEE STRUCTURE

“LSC/Study Center Fee (LSCF)” **shall not be payable by the student** for any programme offered under “Learn and Earn” scheme. But, “University Share Fee (USF)”, “Mandatory Fee (MF)” and “End Exam Fee (EEF)” for first compulsory attempt are given below in “Fee Structure” for all academic programmes under “Learn and Earn” scheme. From the academic year

2023-24, the annual new fee structure for Skill Diploma programmes per student per year should be as follows:

Admission		Examination Fee (EF) for Repeater Students
Desc	Amount	Exam Fee is payable to university along with the 'Exam Form', for each repeat end exam attempt
MF	₹ 568 for each Year (Includes Mandatory Fee)	
USF	₹ 1050 for each Year	
EEF	₹2040 for each Year [₹ 200 per Theory and ₹ 220 per TW]	
LSCF	Nil for students (Students need not have to pay LSC/ Study Center Share to the Institute)	
*Certificate fee	₹ 350 (to be paid separately)	

JOB OPPORTUNITIES FOR STUDENTS

1. After successful completion of these academic programmes, depending on satisfactory performance of the student during the apprenticeship period, industries may prefer to continue these students on regular post. However, placement on regular posts after successful completion of these academic programmes is **not guaranteed**.
2. The University does not ensure placement/ employability to those students passed these Learn & Earn Diplomas. On the basis of the skills earned during Diploma, Students have to apply for the various available job opportunities.

DIRECT ADMISSION COURSE EXEMPTION POLICIES AND RULES

DACECT: OBJECTIVES

- Recognition of successful completion of other courses from other statutory **university or Board** or MOOC Courses from SWAYAM Platform of Government of India and granting
 - Course Exemptions (CE), if syllabus is similar, but evaluation pattern is different
 - Credit Transfer (CT), if syllabus and evaluation, both are similar
- At the time of first fresh online admission, student has to apply for Direct Admission, Course Exemption and Credit Transfer.
- Direct Admission, Course Exemption and Credit Transfer **shall be given** during fresh admission only.
- Direct Admission, Course Exemption and Credit Transfer **shall not be given** during further admissions.
- No change in DACECT status after first fresh admission to ensure simplicity and promoting better learning

DACECT: POLICIES AND RULES

1. **Apply Only Once at the time of Fresh online Admission:** Students are allowed to apply for DACECT **only once** at the time of fresh online admission. DACECT status of any student, shall not be modified or changed for what so ever reasons, after his / her fresh admission.
2. **No Automatic Processing:** Direct Admission, Course Exemption and Credit Transfer shall be given only when student apply for it, along with attested photocopies of specified documents. Without such application, automatic processing of "DACECT" shall not be done.

3. **Successful completion of full Academic Year is Essential:** Student performance at only those academic years (or all the semesters / trimesters which constitute the full academic year), which are successfully completed by the student, will be considered while processing of DACECT. Student performance at partially completed academic years (or all the semesters / trimesters which constitute the full academic year) will not be considered while processing of DACECT.
4. **No Course Exemptions without Direct Admission:** Normally, course exemptions shall be given only along with the direct admission. Thus, normally course exemptions shall not be given for what so ever reasons, if student is not eligible for direct admission.
5. **No ‘Course Exemptions’ and ‘Credit Transfers’ at Final Reporting Year:** Irrespective of any higher qualification(s), course exemptions or credit transfers shall not be given for any course at final reporting academic year (or at any semester, which constitute final academic year).
6. **No ‘Direct Admission’ beyond the First Semester of the Final Reporting Year:** Irrespective of any higher qualification(s), direct admission shall not be given beyond the first semester of the final reporting academic year (or at any semester, which constitute final academic year).

DACECT DETAILS

For DACECT following abbreviations are used in the table:

- **Qual Code (QC):** Qualification Code
- **DA:** Direct Admission
- **CE:** Course Exemption
- **CT:** Credit Transfer
- **Sem:** Semester
- **MOOC:**
- **NA:** Not Applicable

ABOUT MOOC

- SWAYAM is a programe initiated by Government of India and designed to achieve three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of knowledge economy.
- Thousands of courses are available on the SWAYAM Platform to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology.
- UGC has already issued the UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016 advising the Universities to identify courses where credits can be transferred on to the academic record of the students for courses done on SWAYAM. AICTE has also put out gazette notification in 2016 and subsequently for adoption of these courses for credit transfer.

- MOOC stands for Massive Open Online Course. MOOCs have become a popular and proven way to obtain education online that is accessible, affordable, and self-paced. MOOC is nothing but online courses offered by SWAYAM Platform.
- In line with the above directions, this School used syllabus of the MOOCs offered in Swayam Platform for the following two courses of Diploma and M.Sc. in Environmental Science programmes.
 1. EVSo21: Environmental Sustainability (MOOC)
 2. EVSo41: Sustainable Management of Biodiversity (MOOC)
- These Courses are offered on Swayam Platform. Those who will complete these courses on Swayam Platform, for them Credit Transfer will be given in the corresponding courses EVSo21 and EVSo41 offered in V136: MSc (EVS) and V135: Diploma in EVS programme.

DACECT FOR SCIENCE PROGRAMMES

Important Information : If student comply with any one or more qualification code(s) as given in 'Column 01' and its respective description in 'Column 02' of the following table, then student should apply for the 'Direct Admission, Course Exemption and Credit Transfer (DACECT)' at the time of fresh online admission:

Qual Code (QC)	Description		Approved for		
		DA to	CE for	CT for	
Direct Admission and Course Exemption for V92: B.Sc. (Phy, Chem, Maths)					
V92UGP01	Students who have passed B.Sc. first year (Semester 01 and 02) with Mathematics as one of the subjects from any recognized university.	Second Year [Sem 03 and 04]	Sem 01: AEC111 S34121 S37131 S41141 S34122 S37132 S41142	Sem 02: AEC211 S34221 S37231 S41241 S34222 S37232 S41242	NA
Direct Admission and Course Exemption for V136: M.Sc. (Environmental Science) and V135: Diploma in Environmental Science					
V136PGP01 [Applicable only for V135 Students]	Students who have passed M.Sc. (Environmental Science) first year (or Semester 01 and 02) from any recognized university or V135: Diploma in Environmental Science from YCMOU.	Second Year [Sem 03 and 04]	Sem 01: EVSo11 EVSo12 EVSo13 EVSo14	Sem 02: EVSo21 EVSo22 EVSo23 EVSo24	NA
Credit Transfer for V136: M.Sc. (Environmental Science) and V135: Diploma in Environmental Science					
V135EVSo21	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	-	-	-	EVSo21: Environmental Sustainability of V135

Qual Code (QC)	Description		Approved for		
		DA to	CE for		CT for
V136EVSo21	Students who have successfully completed MOOC offered in Swayam platform on Environmental Sustainability	-	-	-	EVSo21: Environmental Sustainability of V136
V136EVSo41	Students who have successfully completed MOOC offered in Swayam platform on Sustainable Management of Biodiversity	-	-	-	EVSo41: Sustainable Management of Biodiversity of V136

ABOUT COURSES

PROGRAMMES ON OFFER

SKILL PROGRAMMES

T101: DIPLOMA IN ESSENTIAL SKILLS {LEARN & EARN 2019 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 + 08 = 24 Credits								
01	DESo11	Communication and Soft Skills – 01	20	80	100	T	4	35%
02	DESo12	Math & Statistical Skills – 01	20	80	100	T	4	35%
03	DESo13	Financial Accounting Skills – 01	20	80	100	T	4	35%
04	DESo14	IT Skills – 01	20	80	100	T	4	35%
05	DESo15	On-Job-Training – 01	NA	200	200	TW	8	35%
Semester 02: 16 + 08 = 24 Credits								
06	DESo21	Communication and Soft Skills – 02	20	80	100	T	4	35%
07	DESo22	Math & Statistical Skills – 02	20	80	100	T	4	35%
08	DESo23	Financial Accounting Skills - 02	20	80	100	T	4	35%
09	DESo24	IT Skills - 02	20	80	100	T	4	35%
10	DESo25	On-Job-Training - 02	NA	200	200	TW	8	35%

SCIENCE PROGRAMMES [BEFORE 2023 PATTERN]

C149: CERTIFICATE PROGRAMME IN BEEKEEPING {2020 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
01	GEN171	Beekeeping Skills Certificate Course – Textbook	20	80	100	T	6	40%
02	GEN172	Beekeeping Skills Certificate Course – Workbook	NA	50	50	P	2	35%

V135: DIPLOMA IN ENVIRONMENTAL SCIENCE {2021 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								
01	EVS011	Environmental Science and Environmental Biology	20	80	100	T	4	40%
02	EVS012	Environmental Education, Policies and Legislation	20	80	100	T	4	40%
03	EVS013	Natural Resources and Their Conservation	20	80	100	T	4	40%
04	EVS014	Lab Activities on EVS011, EVS012, EVS013	20	80	100	P	4	40%
Semester 02: 16 Credits								
05	EVS021	Environmental Sustainability	20	80	100	T	4	40%
06	EVS022	Environmental Chemistry	20	80	100	T	4	40%
07	EVS023	Environmental Geosciences & Computer Applications	20	80	100	T	4	40%
08	EVS024	Lab Activities on EVS022, EVS023	20	80	100	P	4	40%

V137: DIPLOMA IN STATISTICS {2021 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
01	DSS011	Basic Mathematics 1	20	80	100	T	4	40%
02	DSS012	Basic Mathematics 2	20	80	100	T	4	40%
03	DSS013	Fundamentals of Statistics	20	80	100	T	4	40%
04	DSS014	Excel Application in Statistics	NA	100	100	TW	4	40%
Semester 02: 16 Credits								
05	DSS021	Inferential Statistics	20	80	100	T	4	40%
06	DSS022	Sampling Theory and Regression	20	80	100	T	4	40%
07	DSS023	Design of Experiment	20	80	100	T	4	40%
08	DSS024	R Programming for Statistics	NA	100	100	TW	4	40%

V92: B.Sc. (PHY, CHE, MATHS) {2015 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min%
Semester 01: 22 Credits								
01	AEC111	English Communication	20	80	100	T	4	40%
02	S34121	Physics – 01	20	80	100	T	4	40%
03	S37131	Chemistry – 01	20	80	100	T	4	40%
04	S41141	Mathematics – 01	20	80	100	T	4	40%
05	S34122	Physics – 01 Practical	10	40	50	P	2	40%
06	S37132	Chemistry – 01 Practical	10	40	50	P	2	40%
07	S41142	Mathematics – 01 Practical	10	40	50	P	2	40%
Semester 02: 22 Credits								
08	AEC211	Environmental Science	20	80	100	T	4	40%
09	S34221	Physics – 02	20	80	100	T	4	40%
10	S37231	Chemistry – 02	20	80	100	T	4	40%
11	S41241	Mathematics – 02	20	80	100	T	4	40%
12	S34222	Physics – 02 Practical	10	40	50	P	2	40%
13	S37232	Chemistry – 02 Practical	10	40	50	P	2	40%
14	S41242	Mathematics – 02 Practical	10	40	50	P	2	40%
Semester 03: 22 Credits								
15	SEC311	IT and ELearning Skills	20	80	100	T	4	40%
16	S34321	Physics – 03	20	80	100	T	4	40%
17	S37331	Chemistry – 03	20	80	100	T	4	40%
18	S41341	Mathematics – 03	20	80	100	T	4	40%
19	S34322	Physics – 03 Practical	10	40	50	P	2	40%
20	S37332	Chemistry – 03 Practical	10	40	50	P	2	40%
21	S41342	Mathematics – 03 Practical	10	40	50	P	2	40%
Semester 04: 22 Credits								
22	SEC411	Research Methodology	20	80	100	T	4	40%
23	S34421	Physics – 04	20	80	100	T	4	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min%
24	S37431	Chemistry – 04	20	80	100	T	4	40%
25	S41441	Mathematics – 04	20	80	100	T	4	40%
26	S34422	Physics – 04 Practical	10	40	50	P	2	40%
27	S37432	Chemistry – 04 Practical	10	40	50	P	2	40%
28	S41442	Mathematics – 04 Practical	10	40	50	P	2	40%
Semester 05: 22 Credits								
29	SEC511	Financial and Investment Skills	20	80	100	T	4	40%
30	S34521	Physics – 05	20	80	100	T	4	40%
31	S37531	Chemistry – 05	20	80	100	T	4	40%
32	S41541	Mathematics – 05	20	80	100	T	4	40%
33	S34522	Physics – 05 Practical	10	40	50	P	2	40%
34	S37532	Chemistry – 05 Practical	10	40	50	P	2	40%
35	S41542	Mathematics – 05 Practical	10	40	50	P	2	40%
Semester 06: 22 Credits								
36	SEC611	Personality and Career Skills	20	80	100	T	4	40%
37	S34621	Physics – 06	20	80	100	T	4	40%
38	S37631	Chemistry – 06	20	80	100	T	4	40%
39	S41641	Mathematics – 06	20	80	100	T	4	40%
40	S34622	Physics – 06 Practical	10	40	50	P	2	40%
41	S37632	Chemistry – 06 Practical	10	40	50	P	2	40%
42	S41642	Mathematics – 06 Practical	10	40	50	P	2	40%

V100: B.SC. [BOTANY, CHEMISTRY, ZOOLOGY] {2023 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 22 Credits								
01	AEC111	English Communication	20	80	100	T	4	40%
02	BNY101	Plant diversity	20	80	100	T	4	40%
03	BNY102	Plant diversity– Practical	10	40	50	P	2	40%
04	CHE104	Basic Inorganic & Organic Chemistry	20	80	100	T	4	40%
05	CHE105	Basic Inorganic & Organic Chemistry - Practical	10	40	50	P	2	40%
06	ZGY101	Animal Diversity	20	80	100	T	4	40%
07	ZGY102	Animal Diversity – Practical	10	40	50	P	2	40%
Semester02: 22 Credits								
08	AEC211	Environmental Science	20	80	100	T	4	40%
09	BNY106	Plant Ecology and Taxonomy	20	80	100	T	4	40%
10	BNY107	Plant Ecology and Taxonomy - Practical	10	40	50	P	2	40%
11	CHE106	Physical & Organic Chemistry - 1	20	80	100	T	4	40%
12	CHE107	Physical & Organic Chemistry - 1- Practical	10	40	50	P	2	40%
13	ZGY106	Anatomy and Developmental Biology of Vertebrates	20	80	100	T	4	40%

14	ZGY107	Anatomy and Developmental Biology of Vertebrates- Practical	10	40	50	P	2	40%
Semester03: 22 Credits								
15	SEC311	IT and ELearning Skills	20	80	100	T	4	40%
16	BNY201	Diversity & Morphology of Angiosperms	20	80	100	T	4	40%
17	BNY202	Diversity & Morphology of Angiosperms - Practical	10	40	50	P	2	40%
18	CHE201	Physical & Organic Chemistry - 2	20	80	100	T	4	40%
19	CHE202	Physical & Organic Chemistry – 2- Practical	10	40	50	P	2	40%
20	ZGY201	Animal Physiology and Ecology	20	80	100	T	4	40%
21	ZGY202	Animal Physiology and Ecology - Practical	10	40	50	P	2	40%
Semester04: 22 Credits								
22	SEC411	Research Methodology	20	80	100	T	4	40%
23	BNY206	Plant Systematics-Algae, Fungi & Bryophytes	20	80	100	T	4	40%
24	BNY207	Plant Systematics-Algae, Fungi & Bryophytes- Practical	10	40	50	P	2	40%
25	CHE206	Physical & Inorganic Chemistry	20	80	100	T	4	40%
26	CHE207	Physical & Inorganic Chemistry -Practical	10	40	50	P	2	40%
27	ZGY206	Genetics and Evolutionary Biology	20	80	100	T	4	40%
28	ZGY207	Genetics and Evolutionary Biology- Practical	10	40	50	P	2	40%
Semester 05: 22 Credits								
29	SEC511	Financial and Investment Skills	20	80	100	T	4	40%
30	BNY 301	Cell Biology and Genetics	20	80	100	T	4	40%
31	BNY302	Cell Biology and Genetics - Practical	10	40	50	P	2	40%
32	CHE301	Molecular Modeling Chemistry	20	80	100	T	4	40%
33	CHE302	Molecular Modeling Chemistry-Practical	10	40	50	P	2	40%
34	ZGY301	Mammalian Histology	20	80	100	T	4	40%
35	ZGY302	Mammalian Histology - Practical	10	40	50	P	2	40%
Semester 06: 22 Credits								
36	SEC611	Personality and Career Skills	20	80	100	T	4	40%
37	BNY307	Analytical Techniques in Plant Sciences & Horticulture	20	80	100	T	4	40%
38	BNY308	Analytical Techniques in Plant Sciences & Horticulture - Practical	10	40	50	P	2	40%
39	CHE307	Green Chemistry	20	80	100	T	4	40%
40	CHE308	Green Chemistry- Practical	10	40	50	P	2	40%
41	ZGY307	Pest Management & Parasitology	20	80	100	T	4	40%
42	ZGY308	Pest Management & Parasitology - Practical	10	40	50	P	2	40%

R91: PH.D. (CHEMISTRY) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
02	RES135	Applications of Analytical Techniques in Chemistry	50	50	100	T	4	55%
03	RES136 OR	Organic Chemistry	50	50	100	T	4	55%
04	RES137 OR	Inorganic Chemistry	50	50	100	T	4	55%
05	RES138 OR	Physical Chemistry	50	50	100	T	4	55%
06	RES139 OR	Analytical Chemistry	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

R92: PH.D. (ENVIRONMENTAL SCIENCE) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%
02	RES142	Advances in Environmental Science	50	50	100	T	4	55%
03	RES143	Issues in Environmental Sciences	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

R41: PH.D. (GEOLOGY) {2019 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Course Work: 12 Credits								
01	RES101	Research Methodology	50	50	100	T	4	55%
02	RES132	Applications of Geospatial Techniques	50	50	100	T	4	55%
03	RES133	Geology	50	50	100	T	4	55%
Research Work								
		Research Work	Presentations and Viva-Voce				60	Award

SCIENCE PROGRAMMES [FROM 2023 PATTERN ONWARDS]

Implementation of National Education Policy 2020 (NEP 2020)

New Post Graduate Programmes as per NEP from Academic Year 2023-24:

The National Education Policy 2020 (NEP 2020) will be implemented by YashwantraoChavan Maharashtra Open University with effect from the academic year 2023-2024 for all existing postgraduate programmes as stated in the Government resolution: शासन निर्णय क्रमांक: एनईपी-2022/प्र.क्र.09/विशि-3 शिकाना, dated 16 may 2023. This implementation is in accordance with NEP 2020's directing principles.

The post graduate degree is of 2 years duration divided into 4 semesters. Each semester is of 22 credits and total degree Programme is of 88 credits. Therefore, postgraduate programmes offered by the School of Sciences [MSc (Mathematics), MSc (Environmental Science), MSc (Physics), MSc (Chemistry), MSc (Botany, and MSc (Zoology)] have under gone a revamp with the following key changes:

- **New Structure:** The Programme Structures and Credit Distribution, and Curricula is revised to reflect NEP-2020's structure and features.
- **Reorganized course Offerings:** On the university website, you will find the newly designed curricula for each MSc programme. The split of mandatory (core) courses into Discipline Specific Core Courses (DSC) and Discipline Specific Elective Courses (DSE) is one of the fundamental components of the new postgraduate programme structure.
- **Emphasis on 'On-Job-Training (OJT)'/Field Project (FP), Research project Courses:** The new programme structure includes courses on research methodology in the first semester, opportunities for 'On-Job-Training' such as Internships or Field Project (FP) in the second semester, research projects of 04 credits in the third semester and a research project of 06 credits in the fourth semester.

Note: The detailed implemenation guidelines regarding On Job Training (OJT), Field project (FP) and Research Projects (RP) shall be provided separately on the university's official website. The learners are advised to check website regularly for these guidelines and related updation/modification if any.

PROGRAMME STRUCTURE (AS PER NEP 2020)

The following Programme Structure is applicable for

2 Years - 4 Semesters **PG Degree (88 Credits)** after Three Year UG Degree

Abbreviations of the courses

Mandatory DSC	Discipline Specific Core Course	Elective DSE	Discipline Specific Elective Course
RM	Research Methodology	OJT	On Job Training: Internship
FP	Field projects	RP	Research Project
OE	Open Elective (May be taken from MOOC or may be chosen from other domain of learning to get exposure to interdisciplinary domain)		

V151: M.Sc. (MATHEMATICS){2023 PATTERN}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01 : 22 Credits									
01	Mandatory(DSC)	MAT501	Real Analysis	30	70	100	T	4	40%
02	Mandatory(DSC)	MAT502	Abstract Algebra	30	70	100	T	4	40%
03	Mandatory(DSC)	MAT503	Ordinary Differential Equations	15	35	50	T	2	40%
04	Mandatory(DSC)	MAT504	Programming in C and Scilab	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	MAT506	Operations Research	30	70	100	T	4	40%
07	Elective (DSE)	MAT507	Numerical Analysis	30	70	100	T	4	40%
[Level 6.0] Semester 02: 22 Credits									
08	Mandatory(DSC)	MAT509	Topology	30	70	100	T	4	40%
09	Mandatory(DSC)	MAT510	Linear Algebra	30	70	100	T	4	40%
10	Mandatory(DSC)	MAT511	Partial Differential Equations	15	35	50	T	2	40%
11	Mandatory(DSC)	MAT512	LaTeX and Programming in SageMath	50	50	100	P	4	40%
12	OJT/FP	MAT513 MAT514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	MAT515	Number Theory	30	70	100	T	4	40%
14	Elective (DSE)	MAT516	Field Theory	30	70	100	T	4	40%
Exit option: PGD 9- MAT (44 Credits) after Three Year UG Degree									
[Level 6.5] Semester 03: 22 Credits									
15	Mandatory(DSC)	MAT601	Complex Analysis	30	70	100	T	4	40%
16	Mandatory(DSC)	MAT602	Measure and Integration Theory	30	70	100	T	4	40%
17	Mandatory(DSC)	MAT603	Integral Equations	15	35	50	T	2	40%
18	Mandatory(DSC)	MAT604	Mathematical Statistics & Combinatorics	50	50	100	P	4	40%
19	RP	MAT605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	MAT606	Discrete Mathematics	30	70	100	T	4	40%
21	Elective (DSE)	MAT607	Differential Geometry	30	70	100	T	4	40%
22	Elective (DSE)	MAT608	Integral Transforms	30	70	100	T	4	40%
[Level 6.5] Semester 04: 22 Credits									
23	Mandatory(DSC)	MAT609	Classical Mechanics	30	70	100	T	4	40%
24	Mandatory(DSC)	MAT610	Functional Analysis	30	70	100	T	4	40%
25	Mandatory(DSC)	MAT611	Programming in Python	50	50	100	P	4	40%

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
26	RP	MAT612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	MAT613	Cryptography	30	70	100	T	4	40%
28	Elective (DSE)	MAT614	Topics in Fuzzy Mathematics	30	70	100	T	4	40%
29	Elective (DSE)	MAT615	Algebraic Topology	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Mathematics (88 credits) after Three Year UG Degree									

V152: M.SC. (ENVIRONMENTAL SCIENCE){2023 PATTERN}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01 : 22 Credits									
01	Mandatory(DSC)	EVS501	Environmental Science and Environmental Biology	30	70	100	T	4	40%
02	Mandatory(DSC)	EVS502	Natural Resources and Their Conservation	30	70	100	T	4	40%
03	Mandatory(DSC)	EVS503	Biodiversity and Conservation	15	35	50	T	2	40%
04	Mandatory(DSC)	EVS504	Lab Activities on EVS501, EVS502 & EVS503	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	EVS506	Environmental Education, Policies & Legislation	30	70	100	T	4	40%
07	Elective (DSE)	EVS507	Management of Water Resources	30	70	100	T	4	40%
[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	EVS509	Environmental Chemistry	30	70	100	T	4	40%
09	Mandatory(DSC)	EVS510	Environmental Geosciences & Computer Applications	30	70	100	T	4	40%
10	Mandatory(DSC)	EVS511	Herbal Wealth	15	35	50	T	2	40%
11	Mandatory(DSC)	EVS512	Lab Activities on EVS509 & EVS510	50	50	100	P	4	40%
12	OJT/FP	EVS513 EVS514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	EVS515	Environmental Sustainability	30	70	100	T	4	40%
14	Elective (DSE)	EVS516	Solid & Hazardous Waste Management	30	70	100	T	4	40%
Exit option: PGD 10- EVS (44 Credits) after Three Year UG Degree									
[Level 6.5] Semester 03 : 22Credits									
15	Mandatory(DSC)	EVS601	Environmental Monitoring and	30	70	100	T	4	40%

			Energy Studies						
16	Mandatory(DSC)	EVS602	Instrumentation & Lab Techniques	30	70	100	T	4	40%
17	Mandatory(DSC)	EVS603	Green Chemistry	15	35	50	T	2	40%
18	Mandatory(DSC)	EVS604	Lab Activities on EVS601 & EVS602	50	50	100	P	4	40%
19	RP	EVS605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	EVS606	Sustainable management of Biodiversity	30	70	100	T	4	40%
21	Elective (DSE)	EVS607	Environmental Management	30	70	100	T	4	40%
22	Elective (DSE)	EVS608	Renewable Energy Studies	30	70	100	T	4	40%
[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	EVS609	Environmental Microbiology and Toxicology	30	70	100	T	4	40%
24	Mandatory(DSC)	EVS610	Environmental issues & Human Health	30	70	100	T	4	40%
25	Mandatory(DSC)	EVS611	Lab Activities on EVS609 & EVS610	50	50	100	P	4	40%
26	RP	EVS612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	EVS613	Statistical Approaches & Modeling in Environmental Sciences	30	70	100	T	4	40%
28	Elective (DSE)	EVS614	Disaster Management	30	70	100	T	4	40%
29	Elective (DSE)	EVS615	Medicinal plants and their applications	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in EVS (88 credits) after Three Year UG Degree									

V153: M.Sc. (PHYSICS){2023 PATTERN}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01: 22 Credits									
01	Mandatory(DSC)	PHY501	Classical Mechanics	30	70	100	T	4	40%
02	Mandatory(DSC)	PHY502	Electronic Devices	30	70	100	T	4	40%
03	Mandatory(DSC)	PHY503	Mathematical Methods in Physics	15	35	50	T	2	40%
04	Mandatory(DSC)	PHY504	Physics I – Practical	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	PHY506	Experimental Techniques in Physics	30	70	100	T	4	40%
07	Elective (DSE)	PHY507	Physics of LASERS	30	70	100	T	4	40%

[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	PHY509	Atomic and Molecular Physics	30	70	100	T	4	40%
09	Mandatory(DSC)	PHY510	Electrodynamics	30	70	100	T	4	40%
10	Mandatory(DSC)	PHY511	Quantum Mechanics-I	15	35	50	T	2	40%
11	Mandatory(DSC)	PHY512	Physics II – Practical (Computational Methods using 'C' program)	50	50	100	P	4	40%
12	OJT/FP	PHY513 PHY514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	PHY515	Fundamentals of Materials Science	30	70	100	T	4	40%
14	Elective (DSE)	PHY516	Medical Physics	30	70	100	T	4	40%
Exit option: PGD 11- PHY (44 Credits) after Three Year UG Degree									
[Level 6.5] Semester 03 : 22 Credits									
15	Mandatory(DSC)	PHY601	Statistical Mechanics	30	70	100	T	4	40%
16	Mandatory(DSC)	PHY602	Condensed Matter Physics	30	70	100	T	4	40%
17	Mandatory(DSC)	PHY603	Quantum Mechanics - II	15	35	50	T	2	40%
18	Mandatory(DSC)	PHY604	Physics III - Practical	50	50	100	P	4	40%
19	RP	PHY605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	PHY606	Physics of Thin Film	30	70	100	T	4	40%
21	Elective (DSE)	PHY607	Astronomy and Astrophysics	30	70	100	T	4	40%
22	Elective (DSE)	PHY608	Energy Studies	30	70	100	T	4	40%
[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	PHY609	Nuclear and Particle Physics	30	70	100	T	4	40%
24	Mandatory(DSC)	PHY610	Electronic Instrumentation	30	70	100	T	4	40%
25	Mandatory(DSC)	PHY611	Physics IV – Practical	50	50	100	P	4	40%
26	RP	PHY612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	PHY613	Physics of Nano Materials	30	70	100	T	4	40%
28	Elective (DSE)	PHY614	General Relativity & Cosmology	30	70	100	T	4	40%
29	Elective (DSE)	PHY615	Energy from Waste	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Physics (88 credits) after Three Year UG Degree									

V154: M.SC. (CHEMISTRY){2023 PATTERN}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01: 22 Credits									
01	Mandatory(DSC)	CHE501	Inorganic Chemistry-I	30	70	100	T	4	40%
02	Mandatory(DSC)	CHE502	Physical Chemistry-I	30	70	100	T	4	40%
03	Mandatory(DSC)	CHE503	Organic Chemistry-I	15	35	50	T	2	40%
04	Mandatory(DSC)	CHE504	Lab Activities on CHE501, CHE502 & CHE503	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	CHE506	Physical Methods in Chemistry	30	70	100	T	4	40%
07	Elective (DSE)	CHE607	Polymer Chemistry	30	70	100	T	4	40%
[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	CHE509	Inorganic Chemistry-II	30	70	100	T	4	40%
09	Mandatory(DSC)	CHE510	Physical Chemistry-II	30	70	100	T	4	40%
10	Mandatory(DSC)	CHE511	Organic Chemistry-II	15	35	50	T	2	40%
11	Mandatory(DSC)	CHE512	Lab Activities on CHE509, CHE510 & CHE511	50	50	100	P	4	40%
12	OJT/FP	CHE513 CHE514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	CHE515	Analytical Chemistry	30	70	100	T	4	40%
14	Elective (DSE)	CHE516	Chemical Mathematics & Biostatistics	30	70	100	T	4	40%
Exit option: PGD 12- CHE (44 Credits) after Three Year UG Degree									
[Level 6.5] Semester 03 : 22 Credits									
15	Mandatory(DSC)	CHE601	Organic Reaction Mechanism	30	70	100	T	4	40%
16	Mandatory(DSC)	CHE602	Stereochemistry	30	70	100	T	4	40%
17	Mandatory(DSC)	CHE603	Advanced Synthetic Methods	15	35	50	T	2	40%
18	Mandatory(DSC)	CHE604	Lab Activities on CHE601, CHE602 & CHE603	50	50	100	P	4	40%
19	RP	CHE605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	CHE606	Green Chemistry	30	70	100	T	4	40%
21	Elective (DSE)	CHE607	Drugs & Heterocyclic	30	70	100	T	4	40%
22	Elective (DSE)	CHE608	Biotechnology	30	70	100	T	4	40%

[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	CHE609	Advance Organic Chemistry	30	70	100	T	4	40%
24	Mandatory(DSC)	CHE610	Advanced Organic Spectroscopy	30	70	100	T	4	40%
25	Mandatory(DSC)	CHE611	Lab Activities on CHE609 & CHE610	50	50	100	P	4	40%
26	RP	CHE612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	CHE613	Natural Products	30	70	100	T	4	40%
28	Elective (DSE)	CHE614	Industrial Organic Chemistry	30	70	100	T	4	40%
29	Elective (DSE)	CHE615	Pharmaceutical Chemistry	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Chemistry (88 credits) after Three Year UG Degree									

V155: M.Sc. (ZOOLOGY){2023 PATTERN}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01: 22 Credits									
01	Mandatory(DSC)	ZOO501	Biochemistry	30	70	100	T	4	40%
02	Mandatory(DSC)	ZOO502	Cell Biology	30	70	100	T	4	40%
03	Mandatory(DSC)	ZOO503	Applied Zoology Part-I	15	35	50	T	2	40%
04	Mandatory(DSC)	ZOO504	Lab on Biochemistry, Cell Biology & Applied Zoology Part-I	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE)Courses (Select Any One)									
06	Elective (DSE)	ZOO506	Developmental Biology	30	70	100	T	4	40%
07	Elective (DSE)	ZOO507	Entomology	30	70	100	T	4	40%
[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	ZOO509	Molecular Biology	30	70	100	T	4	40%
09	Mandatory(DSC)	ZOO510	Genetics	30	70	100	T	4	40%
10	Mandatory(DSC)	ZOO511	Applied Zoology Part-II	15	35	50	T	2	40%
11	Mandatory(DSC)	ZOO512	Lab on Molecular Biology, Genetics & Applied Zoology Part-II	50	50	100	P	4	40%
12	OJT/FP	ZOO513 ZOO514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE)Courses (Select Any One)									
13	Elective (DSE)	ZOO515	Animal Biotechnology	30	70	100	T	4	40%
14	Elective (DSE)	ZOO516	Toxicology	30	70	100	T	4	40%
Exit option: PGD 13- ZOO (44 Credits) after Three Year UG Degree									

[Level 6.5] Semester 03 : 22 Credits									
15	Mandatory(DSC)	ZOO601	Immunology	30	70	100	T	4	40%
16	Mandatory(DSC)	ZOO602	Endocrinology	30	70	100	T	4	40%
17	Mandatory(DSC)	ZOO603	Biodiversity & Conservation	15	35	50	T	2	40%
18	Mandatory(DSC)	ZOO604	Lab on Immunology, Endocrinology and Biodiversity & Conservation	50	50	100	P	4	40%
19	RP	ZOO605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	ZOO606	Reproductive Physiology	30	70	100	T	4	40%
21	Elective (DSE)	ZOO607	Vermiculture	30	70	100	T	4	40%
22	Elective (DSE)	ZOO608	Animal Behavior	30	70	100	T	4	40%
[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	ZOO609	Animal Physiology	30	70	100	T	4	40%
24	Mandatory(DSC)	ZOO610	Ichthyology	30	70	100	T	4	40%
25	Mandatory(DSC)	ZOO611	Lab on Animal physiology & Ichthyology	50	50	100	P	4	40%
26	RP	ZOO612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	ZOO613	Comparative Animal Physiology	30	70	100	T	4	40%
28	Elective (DSE)	ZOO614	Aquaculture	30	70	100	T	4	40%
29	Elective (DSE)	ZOO615	Parasitology	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Zoology (88 credits) after Three Year UG Degree									

V156: M.Sc. (BOTANY){2023 PATTERN}

SN	Course Category	Code	Course Name	CA	EE	TM	Type	CR	Min %
[Level 6.0] Semester 01 : 22 Credits									
01	Mandatory(DSC)	BOT501	Diversity of Non-vascular Plants-I	30	70	100	T	4	40%
02	Mandatory(DSC)	BOT502	Diversity of Non-Vascular Plants-II	30	70	100	T	4	40%
03	Mandatory(DSC)	BOT503	Diversity of Vascular Plants & Paleobotany-I	15	35	50	T	2	40%
04	Mandatory(DSC)	BOT504	Lab Activities on BOT501, BOT502 & BOT503	50	50	100	P	4	40%
05	RM	RES505	Research Methodology	30	70	100	T	4	40%
Elective (DSE) Courses (Select Any One)									
06	Elective (DSE)	BOT506	Applied Phycology	30	70	100	T	4	40%
07	Elective (DSE)	BOT507	Tools and Techniques in plant Science	30	70	100	T	4	40%

[Level 6.0] Semester 02 : 22 Credits									
08	Mandatory(DSC)	BOT509	Plant Physiology	30	70	100	T	4	40%
09	Mandatory(DSC)	BOT510	Herbal Wealth	30	70	100	T	4	40%
10	Mandatory(DSC)	BOT511	Diversity of Vascular Plants and Paleobotany-II	15	35	50	T	2	40%
11	Mandatory(DSC)	BOT512	Lab Activities on BOT509, BOT510 & BOT511	50	50	100	P	4	40%
12	OJT/FP	BOT513 BOT514	Any one OJT or FP OJT FP	50	50	100	TW	4	40%
Elective (DSE) Courses (Select Any One)									
13	Elective (DSE)	BOT515	Biotechnology and Molecular Biology	30	70	100	T	4	40%
14	Elective (DSE)	BOT516	Ecology and Phytogeography	30	70	100	T	4	40%
Exit option: PGD 14- BOT (44 Credits) after Three Year UG Degree									
[Level 6.5] Semester 03 : 22Credits									
15	Mandatory(DSC)	BOT601	Cytogenetics and Plant Breeding	30	70	100	T	4	40%
16	Mandatory(DSC)	BOT602	Advanced Plant Physiology	30	70	100	T	4	40%
17	Mandatory(DSC)	BOT603	Pharmacognosy	15	35	50	T	2	40%
18	Mandatory(DSC)	BOT604	Lab Activities on BOT601, BOT602 & BOT603	50	50	100	P	4	40%
19	RP	BOT605	Research Project	50	50	100	PW	4	40%
Elective (DSE) Courses (Select Any One)									
20	Elective (DSE)	BOT606	Biostatistics	30	70	100	T	4	40%
21	Elective (DSE)	BOT607	Mycology and Plant Pathology	30	70	100	T	4	40%
22	Elective (DSE)	BOT608	Renewable Energy Studies	30	70	100	T	4	40%
[Level 6.5] Semester 04 : 22 Credits									
23	Mandatory(DSC)	BOT609	Taxonomy of Angiosperms	30	70	100	T	4	40%
24	Mandatory(DSC)	BOT610	Seed Technology	30	70	100	T	4	40%
25	Mandatory(DSC)	BOT611	Lab Activities on BOT609 & BOT610	50	50	100	P	4	40%
26	RP	BOT612	Research Project	75	75	150	PW	6	40%
Elective (DSE) Courses (Select Any One)									
27	Elective (DSE)	BOT613	Anatomy and Embryology	30	70	100	T	4	40%
28	Elective (DSE)	BOT614	Hydroponic Technology	30	70	100	T	4	40%
29	Elective (DSE)	BOT615	Medicinal plants and their applications	30	70	100	T	4	40%
2 Years- 4 Semester PG Degree in Botany (88 credits) after Three Year UG Degree									

WITHDRAWN PROGRAMMES

ARCHITECTURE PROGRAMMES

V22: B.ARCH. (GENERAL) {2010 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 24 Credits								
01	A24011	Theory of Structures - 1	10	40	50	T	2	50%
02	A24012	Culture and Built Form - 1	10	40	50	T	2	50%
03	A24013	Architectural Drawing-1	20	80	100	STW	4	50%
04	A24014	Art Studio - 1	20	80	100	STW	4	50%
05	A24015	Building Construction -1	20	80	100	SV	4	50%
06	A24016	Architectural Design-1	40	160	200	SV	8	50%
Semester 02: 24 Credits								
07	A24021	Theory of Structures - 2	10	40	50	T	2	50%
08	A24022	Culture and Built Form - 2	10	40	50	T	2	50%
09	A24023	Architectural Drawing - 2	20	80	100	STW	4	50%
10	A24024	Art Studio - 2	20	80	100	STW	4	50%
11	A24025	Building Construction - 2	20	80	100	SV	4	50%
12	A24026	Architectural Design - 2	40	160	200	SV	8	50%
Semester 03: 24 Credits								
13	A24031	Theory of Structures - 3	10	40	50	T	2	50%
14	A24032	Culture and Built Form - 3	20	80	100	T	4	50%
15	A24033	Architectural Drawing - 3	10	40	50	STW	2	50%
16	A24034	Building Services and Sciences - 1	20	80	100	STW	4	50%
17	A24035	Building Construction - 3	20	80	100	SV	4	50%
18	A24036	Architectural Design - 3	40	160	200	SV	8	50%
Semester 04: 24 Credits								
19	A24041	Theory of Structures - 4	10	40	50	T	2	50%
20	A24042	Culture and Built Form - 4	20	80	100	T	4	50%
21	A24043	Architectural Drawing - 4	10	40	50	STW	2	50%
22	A24044	Building Services and Sciences - 2	20	80	100	STW	4	50%
23	A24045	Building Construction - 4	20	80	100	SV	4	50%
24	A24046	Architectural Design - 4	40	160	200	SV	8	50%
Semester 05: 24 Credits								
25	A24051	Theory of Structures - 5	10	40	50	T	2	50%
26	A24052	Culture and Built Form - 5	20	80	100	T	4	50%
27	A24053 A25053	Elective: Visual Communication Elective: Art in Architecture	10	40	50	STW	2	50%
28	A24054	Building Services and Sciences - 3	20	80	100	STW	4	50%
29	A24055	Building Construction - 5	20	80	100	SV	4	50%
30	A24056	Architectural Design - 5	40	160	200	SV	8	50%
Semester 06: 24 Credits								
31	A24061	Cost Estimation	10	40	50	T	2	50%
32	A24062	Culture and Built Form - 6	20	80	100	T	4	50%
33	A24063 A25063	Elective: Graphics & Printing Technology Elective: Photography & Architecture	10	40	50	STW	2	50%
34	A24064	Building Services and Sciences - 4	20	80	100	STW	4	50%
35	A24065	Building Construction - 6	20	80	100	SV	4	50%
36	A24066	Architectural Design - 6	40	160	200	SV	8	50%
Semester 07: 24 Credits								
37	A24071	Sociology	10	40	50	T	2	50%
38	A24072	Human Settlements	10	40	50	T	2	50%
39	A24073	Professional Practice -1	10	40	50	T	2	50%

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
40	A24074	Interior Architecture	10	40	50	STW	2	50%
41	A24075	Landscape Design	10	40	50	STW	2	50%
42	A24076	Special Structures	10	40	50	STW	2	50%
43	A24077	Seminar & Thesis Topic	10	40	50	STW	2	50%
44	A24078 A25078	Elective: Sales and Marketing Skills Elective: Film Making and Architecture	10	40	50	STW	2	50%
45	A24079	Architectural Design-7	40	160	200	SV	8	50%
Semester 08: 24 Credits								
46	A24081	Professional Practice -2	10	40	50	T	2	50%
47	A24082	Specifications & Controls	10	40	50	T	2	50%
48	A24083 A25083	Elective: Geographic Information Systems (GIS) Elective: Environmental Design	10	40	50	STW	2	50%
49	A24084	Dissertation - Thesis Special Topic	10	40	50	STW	2	50%
50	A24085	Architectural - Thesis	80	320	400	SV	16	50%
Semester 09: 24 Credits								
51	A24091	Presentation & Approval drawings – 1	20	80	100	SV	4	50%
52	A24092	Site Visits & Study - 1	20	80	100	SV	4	50%
53	A24093	Interaction with Consultants - 1	10	40	50	SV	2	50%
54	A24094	Field Observations Study	20	80	100	SV	4	50%
55	A24095	Office Administration and Log Book - 1	10	40	50	SV	2	50%
56	A24096	Working Drawings and Details - 1	40	160	200	SV	8	50%
Semester 10: 24 Credits								
57	A24101	Presentation & Approval drawings – 2	20	80	100	SV	4	50%
58	A24102	Site Visits & Study - 2	20	80	100	SV	4	50%
59	A24103	Interaction with Consultants - 2	10	40	50	SV	2	50%
60	A24104	Critical Appraisal	20	80	100	SV	4	50%
61	A24105	Office Administration and Log Book - 2	10	40	50	SV	2	50%
62	A24106	Working Drawings and Details - 2	40	160	200	SV	8	50%

DESIGN PROGRAMMES

V28: B.DES. {2014 PATTERN}

Students are required to choose **either “Group A” or “Group B”** Electives, from the offered elective group(s) at the respective LSC/ Study Center, during admission to Semester 03. Same group shall be enforced during all further admissions. **Students shall not be allowed to change selected elective group for what so ever reason.**

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 24 Credits, Common for all Specializations of B.Des.								
01	A44011	Fundamentals of Structures and Design Process	20	80	100	T	4	50%
02	A44012	History of Design I	20	80	100	T	4	50%
03	A44013	Visualization Skills I	20	80	100	STW	4	50%
04	A44014	Workshop Skills I	20	80	100	STW	4	50%
05	A44015	Fundamentals of Design - 1	40	160	200	SV	8	50%
Semester 02: 24 Credits, Common for all Specializations of B.Des.								
06	A44021	History of Design II	20	80	100	T	4	50%
07	A44022	Ergonomics and Communication Skills	20	80	100	T	4	50%
08	A44023	Visualization Skills II	20	80	100	STW	4	50%
09	A44024	Workshop Skills II	20	80	100	STW	4	50%
10	A44025	Fundamentals of Design - II	40	160	200	SV	8	50%
Semester 03: 24 Credits								
11	A44031	Craft Studies and Ergonomics	20	80	100	STW	4	50%

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Elective: Group A								
12	A44032	Interior Construction Techniques I	20	80	100	T	4	50%
13	A44033	Solid Modelling - 3D Max	20	80	100	T	4	50%
14	A44034	Form Space and Order I	20	80	100	STW	4	50%
15	A44035	Interior Design Project I	40	160	200	SV	8	50%
Elective: Group B								
16	A45032	Material and Processes: Wood	20	80	100	T	4	50%
17	A45033	NURBS Modelling – Rhino	20	80	100	T	4	50%
18	A45034	Elements of Form I	20	80	100	STW	4	50%
19	A45035	Industrial Design Project I	40	160	200	SV	8	50%
Semester 04: 24 Credits								
20	A44041	Photography Skills and Rendering Techniques	20	80	100	STW	4	50%
Elective: Group A								
21	A44042	Interior Services I	20	80	100	T	4	50%
22	A44043	Interior Construction Techniques II	20	80	100	T	4	50%
23	A44044	Form Space and Order II	20	80	100	STW	4	50%
24	A44045	Interior Design Project II	40	160	200	SV	8	50%
Elective: Group B								
25	A45042	Ergonomics for Work Spaces	20	80	100	T	4	50%
26	A45043	Material and Processes: : Metal	20	80	100	T	4	50%
27	A45044	Elements of Form II	20	80	100	STW	4	50%
28	A45045	Industrial Design Project II	40	160	200	SV	8	50%
Semester 05: 24 Credits								
29	A44051	Design Theories, Methods and Documentation	20	80	100	STW	4	50%
Elective: Group A								
30	A44052	Interior Services II	20	80	100	T	4	50%
31	A44053	Interior Construction Techniques III	20	80	100	T	4	50%
32	A44054	Lighting for Interiors	20	80	100	STW	4	50%
33	A44055	Interior Design Project III	40	160	200	SV	8	50%
Elective: Group B								
34	A45052	Cognitive Ergonomics	20	80	100	T	4	50%
35	A45053	Material and Processes Plastics	20	80	100	T	4	50%
36	A45054	Typography	20	80	100	STW	4	50%
37	A45055	Industrial Design Project III	40	160	200	SV	8	50%
Semester 06: 24 Credits								
38	A44061	Design Portfolio and Film Making	20	80	100	STW	4	50%
Elective: Group A								
39	A44062	Interior Services III	20	80	100	T	4	50%
40	A44063	Estimation of Interiors	20	80	100	T	4	50%
41	A44064	Textiles in Interiors	20	80	100	STW	4	50%
42	A44065	Interior Design Project IV	40	160	200	SV	8	50%
Elective: Group B								
43	A45062	Advanced Industrial Materials	20	80	100	T	4	50%
44	A45063	Cost Estimation of Industrial Products	20	80	100	T	4	50%
45	A45064	Product Styling	20	80	100	STW	4	50%
46	A45065	Industrial Design Project IV	40	160	200	SV	8	50%
Semester 07: 24 Credits								
47	A44071	Design Seminar	20	80	100	STW	47	50%
Elective: Group A								
48	A44072	Professional Practice	20	80	100	T	48	50%

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
49	A44073	Interior Landscape	20	80	100	STW	49	50%
50	A44074	Interior Design Project V	60	240	300	SV	50	50%
Elective: Group B								
51	A45072	Design Management	20	80	100	T	51	50%
52	A45073	Trends and Market Analysis	20	80	100	STW	52	50%
53	A45074	Industrial Design Project V	60	240	300	SV	53	50%
Semester 08: 24 Credits								
54	A44081	Internship	100	400	500	SV	20	50%
55	A44082	Report and Documentation	20	80	100	SV	4	50%

SCIENCE PROGRAMMES

V96: B.SC. (ACTUARIAL SCIENCE) {2016 PATTERN}

SN	Code	Name	Sem	CAT	EE	TM	Type	Cat	Credits
Semester 01: 22 Credits									
01	AEC111	English Communication	01	20	80	100	T	AECC	4
02	S64121	Financial Mathematics – 01	01	20	80	100	T	CC01-01	4
03	S67131	Actuarial Statistics – 01	01	20	80	100	T	CC02-01	4
04	S71141	Basics of Finance	01	20	80	100	T	CC03-01	4
05	S64122	Financial Mathematics – 01 Practical	01	10	40	50	P	CC01-01	2
06	S67132	Actuarial Statistics – 01 Practical	01	10	40	50	P	CC02-01	2
07	S71142	Basics of Finance Practical	01	10	40	50	P	CC03-01	2
Semester 02: 22 Credits									
08	AEC211	Environmental Science	02	20	80	100	T	AECC	4
09	S64221	Financial Mathematics – 02	02	20	80	100	T	CC01-02	4
10	S67231	Actuarial Statistics – 02	02	20	80	100	T	CC02-02	4
11	S71241	Corporate Finance	02	20	80	100	T	CC03-02	4
12	S64222	Financial Mathematics – 02 Practical	02	10	40	50	P	CC01-02	2
13	S67232	Actuarial Statistics – 02 Practical	02	10	40	50	P	CC02-02	2
14	S71242	Corporate Finance Practical	02	10	40	50	P	CC03-02	2
Semester 03: 22 Credits									
15	SEC311	IT and ELearning Skills	03	20	80	100	T	SEC	4
16	S64321	Actuarial Mathematics – 01	03	20	80	100	T	CC01-03	4
17	S67331	Survival Analysis	03	20	80	100	T	CC02-03	4
18	S71341	Business Economics – 01	03	20	80	100	T	CC03-03	4
19	S64322	Actuarial Mathematics – 01 Practical	03	10	40	50	P	CC01-03	2
20	S67332	Survival Analysis Practical	03	10	40	50	P	CC02-03	2
21	S71342	Business Economics – 01 Practical	03	10	40	50	P	CC03-03	2
Semester 04: 22 Credits									
22	SEC411	Research Methodology	04	20	80	100	T	SEC	4
23	S64421	Actuarial Mathematics – 02	04	20	80	100	T	CC01-04	4
24	S67431	Stochastic Processes	04	20	80	100	T	CC02-04	4
25	S71441	Business Economics – 02	04	20	80	100	T	CC03-04	4
26	S64422	Actuarial Mathematics – 02 Practical	04	10	40	50	P	CC01-04	2
27	S67432	Stochastic Processes Practical	04	10	40	50	P	CC02-04	2
28	S71442	Business Economics – 02 Practical	04	10	40	50	P	CC03-04	2
Semester 05: 22 Credits									
29	SEC511	Financial and Investment Skills	05	20	80	100	T	SEC	4
30	S64521	Mathematics for Economics and Finance – 01	05	20	80	100	T	DSE01-01	4
31	S67531	Non-Life Statistics – 01	05	20	80	100	T	DSE02-01	4
32	S71541	Enterprise Risk Management	05	20	80	100	T	DSE03-01	4
33	S64522	Mathematics for Economics and Finance – 01 Practical	05	10	40	50	P	DSE01-01	2
34	S67532	Non-Life Statistics – 01 Practical	05	10	40	50	P	DSE02-01	2

SN	Code	Name	Sem	CAT	EE	TM	Type	Cat	Credits
35	S71542	Enterprise Risk Management Practical	05	10	40	50	P	DSE03-01	2
Semester 06: 22 Credits									
36	SEC611	Personality and Career Skills	06	20	80	100	T	SEC	4
37	S64621	Mathematics for Economics and Finance – 02	06	20	80	100	T	DSE01-02	4
39	S67631	Non-Life Statistics – 02	06	20	80	100	T	DSE02-02	4
41	S71641	R Programming and Business Analytics	06	20	80	100	T	DSE03-02	4
38	S64622	Mathematics for Economics and Finance – 02 Practical	06	10	40	50	P	DSE01-02	2
40	S67632	Non-Life Statistics – 02 Practical	06	10	40	50	P	DSE02-02	2
42	S71642	R Programming and Business Analytics Practical	06	10	40	50	P	DSE03-02	2

V131: M.SC. (PHYSICS) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Year 01: 24 Credits								
01	PHY011	Mathematical Physics and Classical Mechanics	20	80	100	T	4	40%
02	PHY012	Statistical Mechanics and Quantum Mechanics	20	80	100	T	4	40%
03	PHY013	Solid State Physics	20	80	100	T	4	40%
04	PHY014	Semiconductor Devices, Analog and Digital Electronics	20	80	100	T	4	40%
05	PHY015	Heat and Acoustics (Practical)	10	40	50	P	2	40%
06	PHY016	Optics (Practical)	10	40	50	P	2	40%
07	PHY017	Basic Electronics (Practical)	10	40	50	P	2	40%
08	PHY018	Digital Electronics and Computers (Practical)	10	40	50	P	2	40%
Year 02: 24 Credits								
01	PHY021	Nuclear Physics and Analytical Techniques	20	80	100	T	4	40%
02	PHY022	Electromagnetic Theory and Spectroscopy	20	80	100	T	4	40%
03	PHY023	Memory Devices and Microprocessors	20	80	100	T	4	40%
04	PHY024	Microwave Devices and Communication Systems	20	80	100	T	4	40%
05	PHY025	Spectroscopy (Practical)	10	40	50	P	2	40%
06	PHY026	Modern Physics (Practical)	10	40	50	P	2	40%
07	PHY027	Memory Devices and Microprocessors (Practical)	10	40	50	P	2	40%
08	PHY028	Microwave Devices and Communication Systems (Practical)	10	40	50	P	2	40%

V132: M.SC. (CHEMISTRY) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Year 01: 24 Credits								
01	CHE011	Inorganic Chemistry	20	80	100	T	4	40%
02	CHE012	Organic Chemistry	20	80	100	T	4	40%
03	CHE013	Physical Chemistry	20	80	100	T	4	40%
04	CHE014	Mathematics, Biology, Spectroscopy and Computers	20	80	100	T	4	40%
05	CHE015	Inorganic Chemistry (Practical)	10	40	50	P	2	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
06	CHE016	Organic Chemistry (Practical)	10	40	50	P	2	40%
07	CHE017	Physical Chemistry (Practical)	10	40	50	P	2	40%
08	CHE018	Spectroscopy and Computers (Practical)	10	40	50	P	2	40%
Year 02: 24 Credits								
01	CHE021	Organic Reaction Mechanisms-II, Pericyclic Reactions, Organic Photochemistry, Stereochemistry-II	20	80	100	T	4	40%
02	CHE022	Organic Chemistry - Synthetic Organic Chemistry	20	80	100	T	4	40%
03	CHE023	Organic Chemistry - Natural Products, Heterocycles, Biogenesis and Spectroscopy	20	80	100	T	4	40%
04	CHE024	Organic Chemistry - Drugs and Pharmaceuticals	20	80	100	T	4	40%
05	CHE025	Organic Chemistry - Separation and Identification of Organic Compounds (Practical)	10	40	50	P	2	40%
06	CHE026	Organic Chemistry - Separation and Identification of Organic Compounds and Chromatography (Practical)	10	40	50	P	2	40%
07	CHE027	Synthesis of Organic Compounds and Isolation of Natural Products (Practical)	10	40	50	P	2	40%
08	CHE028	Organic Chemistry - Synthesis and Analysis of Drugs (Practical)	10	40	50	P	2	40%

V133: M. Sc. (ZOOLOGY) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Year 01: 24 Credits								
01	ZGY011	Animal Diversity and Ecology	20	80	100	T	4	40%
02	ZGY012	Cell and Molecular Biology	20	80	100	T	4	40%
03	ZGY013	Animal Physiology and Physiological Chemistry	20	80	100	T	4	40%
04	ZGY014	Human Cytogenetic and Developmental Biology	20	80	100	T	4	40%
05	ZGY015	Animal Diversity and Ecology (Practical)	10	40	50	P	2	40%
06	ZGY016	Cell and Molecular Biology (Practical)	10	40	50	P	2	40%
07	ZGY017	Animal Physiology and Physiological Chemistry (Practical)	10	40	50	P	2	40%
08	ZGY018	Human Cytogenetic and Developmental Biology (Practical)	10	40	50	P	2	40%
Year 02: 24 Credits								
09	ZGY021	Immunology	20	80	100	T	4	40%
10	ZGY022	Animal Biotechnology	20	80	100	T	4	40%
11	ZGY023	Toxicology	20	80	100	T	4	40%
12	ZGY024	Applied Entomology	20	80	100	T	4	40%
13	ZGY025	Immunology (Practical)	10	40	50	P	2	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
14	ZGY026	Animal Biotechnology (Practical)	10	40	50	P	2	40%
15	ZGY027	Toxicology (Practical)	10	40	50	P	2	40%
16	ZGY028	Applied Entomology (Practical)	10	40	50	P	2	40%

V134: M.Sc. (BOTANY) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Year 01: 24 Credits								
01	BNY011	Biology and Diversity of Viruses, Bacteria and Fungi	20	80	100	T	4	40%
02	BNY012	Biology and Diversity of Algae, Bryophyta and Pteridophyta	20	80	100	T	4	40%
03	BNY013	Gymnosperms, Taxonomy and Anatomy of Angiosperms	20	80	100	T	4	40%
04	BNY014	Biochemistry and Plant Physiology	20	80	100	T	4	40%
05	BNY015	Biology and Diversity of Viruses, Bacteria and Fungi (Practical)	10	40	50	P	2	40%
06	BNY016	Biology and Diversity of Algae, Bryophyta and Pteridophyta (Practical)	10	40	50	P	2	40%
07	BNY017	Gymnosperms, Taxonomy and Anatomy of Angiosperms (Practical)	10	40	50	P	2	40%
08	BNY018	Biochemistry and Plant Physiology (Practical)	10	40	50	P	2	40%
Year 02: 24Credits								
09	BNY021	Cell Biology, Genetics, Biostatistics and Ecology	20	80	100	T	4	40%
10	BNY022	Medicinal Plants and Embryology of Angiosperms	20	80	100	T	4	40%
11	BNY023	Applied Mycology and Plant Pathology	20	80	100	T	4	40%
12	BNY024	Plant Molecular Biology and Biotechnology	20	80	100	T	4	40%
13	BNY025	Cell Biology, Genetics, Biostatistics and Ecology (Practical)	10	40	50	P	2	40%
14	BNY026	Medicinal Plants and Embryology of Angiosperms (Practical)	10	40	50	P	2	40%
15	BNY027	Applied Mycology and Plant Pathology (Practical)	10	40	50	P	2	40%
16	BNY028	Plant Molecular Biology and Biotechnology (Practical)	10	40	50	P	2	40%

V58: M.Sc. (ENVIRONMENTAL SCIENCE) {2015 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								
01	S27011 or MES101	Environmental Science and Ecology	20	80	100	T	4	40%
02	S27012 or MES102	Environmental Engineering	20	80	100	T	4	40%
03	S27013 or MES103	Natural Resources and Their Conservation	20	80	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	Credits	Min %
04	S27014 or MES203	Lab Activities on S27011, S27012 & S27013 or MES101, MES102 and MES103	20	80	100	P	4	40%
Semester 02: 16 Credits								
05	S27021 or MES104	Pollution and Health and Hazards	20	80	100	T	4	40%
06	S27022 or MES201	Environmental Statistics and Computer Application	20	80	100	T	4	40%
07	S27023 or MES202	Environmental Pollution and Control	20	80	100	T	4	40%
08	S27024 or MES204	Lab Activities on S27021 S27022 & S27023 or MES104, MES201 and MES202	20	80	100	P	4	40%
Semester 03: 16 Credits								
09	S27031 or MES301	Environmental Monitoring and Energy Studies	20	80	100	T	4	40%
10	S27032 or MES302	Natural Resources and Instrumentation	20	80	100	T	4	40%
11	S27033 or MES304	Environmental Microbiology, Toxicology and Chemistry	20	80	100	T	4	40%
12	S27034 or MES403	Lab Activities on S27031 and S27033 Or MES301 and MES304	20	80	100	P	4	40%
Semester 04: 16 Credits								
13	S27041 or MES303	Environmental Education, Policies and Legislation	20	80	100	T	4	40%
14	S27042 or MES401	Environmental Management – Land, Soil and Water	20	80	100	T	4	40%
15	S27043 or MES402	Environmental Geo-science	20	80	100	T	4	40%
16	S27044 or MES404	Project - Work	20	80	100	PW	4	40%

V130: M.SC. (MATHEMATICS) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Semester 01: 20 Credits								
01	S25011	Real Analysis	20	80	100	T	4	40%
02	S25012	Abstract Algebra	20	80	100	T	4	40%
03	S25013	Ordinary Differential Equations	20	80	100	T	4	40%
04	S25014	Topology	20	80	100	T	4	40%
05	S25015	Numerical Analysis	20	80	100	T	4	40%
Semester 02: 20 Credits								
06	S25021	Measure and Integration Theory	20	80	100	T	4	40%
07	S25022	Linear Algebra	20	80	100	T	4	40%
08	S25023	Partial Differential Equations	20	80	100	T	4	40%
09	S25024	Number Theory	20	80	100	T	4	40%

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
10	S25025	Integral Transforms	20	80	100	T	4	40%
Semester 03: 20 Credits								
11	S25031	Complex Analysis	20	80	100	T	4	40%
12	S25032	Field Theory	20	80	100	T	4	40%
13	S25033	Integral Equations	20	80	100	T	4	40%
14	S25034	Discrete Mathematics	20	80	100	T	4	40%
15	S25035	Operations Research	20	80	100	T	4	40%
Semester 04: 20 Credits								
16	S25041	Differential Geometry	20	80	100	T	4	40%
17	S25042	Functional Analysis	20	80	100	T	4	40%
18	S25043	Classical Mechanics	20	80	100	T	4	40%
19	S25044	Cryptography	20	80	100	T	4	40%
20	S25045	Topics in Fuzzy Mathematics	20	80	100	T	4	40%

V136: M.Sc. (ENVIRONMENTAL SCIENCE) {2021 PATTERN}

SN	Code	Name	CAT	EE	TM	Type	Credits	Min %
Semester 01: 16 Credits								
01	EVS011	Environmental Science and Environmental Biology	20	80	100	T	4	40%
02	EVS012	Environmental Education, Policies and Legislation	20	80	100	T	4	40%
03	EVS013	Natural Resources and Their Conservation	20	80	100	T	4	40%
04	EVS014	Lab Activities on EVS011, EVS012, EVS013	20	80	100	P	4	40%
Semester 02: 16 Credits								
05	EVS021	Environmental Sustainability	20	80	100	T	4	40%
06	EVS022	Environmental Chemistry	20	80	100	T	4	40%
07	EVS023	Environmental Geosciences & Computer Applications	20	80	100	T	4	40%
08	EVS024	Lab Activities on EVS022, EVS023	20	80	100	P	4	40%
Semester 03: 16 Credits								
09	EVS031	Environmental Monitoring and Energy Studies	20	80	100	T	4	40%
10	EVS032	Instrumentation and Lab Techniques	20	80	100	T	4	40%
11	EVS033	Environmental Microbiology and Toxicology	20	80	100	T	4	40%
12	EVS034	Lab Activities on EVS031, EVS032, EVS033	20	80	100	P	4	40%
Semester 04: 16 Credits								
13	EVS 041	Sustainable Management of Biodiversity	20	80	100	T	4	40%
14	EVS042	Statistical Approaches and Modelling in Environmental Sciences	20	80	100	T	4	40%
15	EVS043	Environmental Issues and Human Health	20	80	100	T	4	40%
16	EVS044	Project-Work	20	80	100	PW	4	40%

V141: M.SC. (PHYSICS) {2022 PATTERN}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	PHY111	Mathematical Methods in Physics	20	80	100	T	4	40%
02	Core	PHY112	Classical Mechanics	20	80	100	T	4	40%
03	Core	PHY113	Electronic Devices	20	80	100	T	4	40%
04	Applied	PHY114	Experimental Techniques in Physics	20	80	100	T	4	40%
05	Practical	PHY115	Physics I - Practical	10	40	50	P	2	40%
06	Practical	PHY116	Electronics Devices - Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	PHY121	Quantum Mechanics	20	80	100	T	4	40%
09	Core	PHY122	Atomic and Molecular Physics	20	80	100	T	4	40%
10	Core	PHY123	Electrodynamics	20	80	100	T	4	40%
11	Applied	PHY124	‘C’ Programming and Computational Methods	20	80	100	T	4	40%
12	Practical	PHY125	Physics II - Practical	10	40	50	P	2	40%
13	Practical	PHY126	‘C’ Programming - Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	PHY131	Statistical Mechanics	20	80	100	T	4	40%
16	Core	PHY132	Condensed Matter Physics	20	80	100	T	4	40%
17	Practical	PHY133	Physics III - Practical	10	40	50	P	2	40%
18	Applied	PHY134	Fundamentals of Materials Science	20	80	100	T	4	40%
Select Elective Group A: PHY135 & PHY136 or Group B: PHY137 & PHY138									
Elective Group A: PHY135 & PHY136									
19	Elective Theory & Practical	PHY135	Energy Studies	20	80	100	T	4	40%
20		PHY136	Energy Studies - Practical	10	40	50	P	2	40%
Elective Group B: PHY137 & PHY138									
21	Elective Theory & Practical	PHY137	Electronic Instrumentation	20	80	100	T	4	40%
22		PHY138	Electronic Instrumentation- Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	PHY141	Nuclear and Particle Physics	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Applied	PHY143	Physics of Thin Film	20	80	100	T	4	40%

Select Elective A: PHY144 or B: PHY145									
27	Elective Theory A or B	PHY144	Physics of Nano Materials	20	80	100	T	4	40%
28		PHY145	Physics of LASERs	20	80	100	T	4	40%
29	Project	PHY146	Project	20	80	100	PW	4	40%

V142: M.SC. (CHEMISTRY) {2022 PATTERN}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	CHE111	Inorganic Chemistry-I	20	80	100	T	4	40%
02	Core	CHE112	Organic Chemistry-I	20	80	100	T	4	40%
03	Core	CHE113	Physical Chemistry-I	20	80	100	T	4	40%
04	Applied	CHE114	Physical Methods In Chemistry	20	80	100	T	4	40%
05	Practical	CHE115	Inorganic Chemistry - Practical	10	40	50	P	2	40%
06	Practical	CHE116	Organic Chemistry - Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	CHE121	Inorganic Chemistry-II	20	80	100	T	4	40%
09	Core	CHE122	Organic Chemistry-II	20	80	100	T	4	40%
10	Core	CHE123	Physical Chemistry-II	20	80	100	T	4	40%
11	Applied	CHE124	Analytical Chemistry	20	80	100	T	4	40%
12	Practical	CHE125	Physical Chemistry - Practical	10	40	50	P	2	40%
13	Practical	CHE126	Analytical Chemistry - Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	CHE131	Organic Reaction Mechanism	20	80	100	T	4	40%
16	Core	CHE132	Advanced Organic Spectroscopy	20	80	100	T	4	40%
17	Practical	CHE133	Organic Reaction Mechanism & Advanced Organic Spectroscopy–Practical	10	40	50	P	2	40%
18	Core	CHE134	Advanced Synthetic Methods-I	20	80	100	T	4	40%
Select Elective A: CHE135 & CHE136 or Elective B: CHE137 & CHE138									
Select Elective A: CHE135 & CHE136									
19	Elective Theory & Practical	CHE135	Green Chemistry	20	80	100	T	4	40%
20		CHE136	Advanced Synthetic Methods & Green Chemistry - Practical	10	40	50	P	2	40%
Elective Group B: CHE137 & CHE138									
21	Elective Theory & Practical	CHE137	Polymer Chemistry	20	80	100	T	4	40%
22		CHE138	Advanced Synthetic Methods & Polymer Chemistry - Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed

Semester IV: 20 Credits									
24	Core	CHE141	Stereo Chemistry	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Applied	CHE143	Drugs & Heterocyclic	20	80	100	T	4	40%
Select Elective A: CHE144 or B: CHE145									
27	Elective Theory A or B	CHE144	Industrial Organic Chemistry	20	80	100	T	4	40%
28		CHE145	Natural Products	20	80	100	T	4	40%
29	Project	CHE146	Organic Chemistry Project	20	80	100	PW	4	40%

V143: M. Sc. (ZOOLOGY) {2022 PATTERN}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	ZGY111	Biochemistry	20	80	100	T	4	40%
02	Core	ZGY112	Cell Biology	20	80	100	T	4	40%
03	Core	ZGY113	Applied Zoology	20	80	100	T	4	40%
04	Applied	ZGY114	Biodiversity & Conservation	20	80	100	T	4	40%
05	Practical	ZGY115	Biochemistry & Cell Biology - Practical	10	40	50	P	2	40%
06	Practical	ZGY116	Applied Zoology & Biodiversity - Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	ZGY121	Molecular Biology	20	80	100	T	4	40%
09	Core	ZGY122	Genetics	20	80	100	T	4	40%
10	Core	ZGY123	Developmental Biology	20	80	100	T	4	40%
11	Applied	ZGY124	Entomology	20	80	100	T	4	40%
12	Practical	ZGY125	Molecular Biology & Genetics - Practical	10	40	50	P	2	40%
13	Practical	ZGY126	Developmental Biology & Entomology - Practical	10	40	50	P	2	40%
14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	ZGY131	Immunology	20	80	100	T	4	40%
16	Core	ZGY132	Endocrinology	20	80	100	T	4	40%
17	Practical	ZGY133	Immunology & Endocrinology - Practical	10	40	50	P	2	40%
18	Core	ZGY134	Animal Physiology	20	80	100	T	4	40%
Select Elective A: ZGY135 & ZGY136 or Elective B: ZGY137 & ZGY138									
Select Elective A: ZGY135 & ZGY136									
19	Elective	ZGY135	Ichthyology	20	80	100	T	4	40%

20	Theory & Practical	ZGY136	Animal Physiology & Ichthyology - Practical	10	40	50	P	2	40%
Elective Group B: ZGY137 & ZGY138									
21	Elective Theory & Practical	ZGY137	Reproductive Physiology	20	80	100	T	4	40%
22		ZGY138	Animal Physiology & Reproductive Physiology Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	ZGY141	Animal Biotechnology	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Core	ZGY143	Toxicology	20	80	100	T	4	40%
Select Elective A: ZGY144 or B: ZGY145									
27	Elective Theory A or B	ZGY144	Comparative Animal Physiology	20	80	100	T	4	40%
28		ZGY145	Animal Behaviour	20	80	100	T	4	40%
29	Project	ZGY146	Project	20	80	100	PW	4	40%

V144: M.Sc. (BOTANY) {2022 PATTERN}

SN	Course Type	Code	Name	CA	EE	TM	Type	Credits	Min %
Semester I: 20 Credits									
01	Core	BNY111	Diversity of Non-Vascular plants -I	20	80	100	T	4	40%
02	Core	BNY112	Diversity of Non-Vascular plants - II	20	80	100	T	4	40%
03	Core	BNY113	Diversity of Vascular Plants and Paleobotany	20	80	100	T	4	40%
04	Applied	BNY114	Applied Phycology	20	80	100	T	4	40%
05	Practical	BNY115	Diversity of Non-Vascular Plants - Practical	10	40	50	P	2	40%
06	Practical	BNY116	Diversity of vascular plants, Paleobotany and Applied Phycology - Practical	10	40	50	P	2	40%
07	Audit	GEN203	Value Education	20	NA	NA	T	4	Completed
Semester II: 20 Credits									
08	Core	BNY121	Plant Physiology	20	80	100	T	4	40%
09	Core	BNY122	Anatomy and Embryology	20	80	100	T	4	40%
10	Core	BNY123	Herbal Wealth	20	80	100	T	4	40%
11	Applied	BNY124	Medicinal Plants and their Applications	20	80	100	T	4	40%
12	Practical	BNY125	Plant Physiology and Anatomy and Embryology - Practical	10	40	50	P	2	40%
13	Practical	BNY126	Herbal Wealth and Medicinal Plants and their Applications - Practical	10	40	50	P	2	40%

14	Audit	GEN121	Cyber Security	20	NA	NA	T	4	Completed
Semester III: 20 Credits									
15	Core	BNY131	Cytogenetics and Plant Breeding	20	80	100	T	4	40%
16	Core	BNY132	Advanced Plant Physiology	20	80	100	T	4	40%
17	Practical	BNY133	Cytogenetics and Plant Breeding, and Advanced Plant Physiology - Practical	10	40	50	P	2	40%
18	Core	BNY134	Taxonomy of Angiosperms	20	80	100	T	4	40%
Select Elective A: BNY135 & BNY136 or Elective B: BNY137 & BNY138									
Select Elective A: BNY135 & BNY136									
19	Elective	BNY135	Pharmacognosy	20	80	100	T	4	40%
20	Theory & Practical	BNY136	Taxonomy of Angiosperms and Pharmacognosy- Practical	10	40	50	P	2	40%
Elective Group B: BNY137 & BNY138									
21	Elective	BNY137	Seed Technology	20	80	100	T	4	40%
22	Theory & Practical	BNY138	Taxonomy of Angiosperms and Seed Technology- Practical	10	40	50	P	2	40%
23	Audit	HRC002	Human Rights and the Indian Constitution	20	NA	NA	T	4	Completed
Semester IV: 20 Credits									
24	Core	BNY141	Biotechnology and Molecular Biology	20	80	100	T	4	40%
25	Core	RES505	Research Methodology	20	80	100	T	4	40%
26	Core	BNY143	Ecology and Phytogeography	20	80	100	T	4	40%
Select Elective A: BNY144 or B: BNY145									
27	Elective	BNY144	Tools and Techniques in Plant Science	20	80	100	T	4	40%
28	Theory A or B	BNY145	Biostatistics	20	80	100	T	4	40%
29	Project	BNY146	Project	20	80	100	PW	4	40%

STUDENT SERVICES

ONLINE ADMISSION PROCESS

University has adopted Online Admission Policy for all the Programmes. Guidelines and relevant details are published on the University website. Students shall refer 'Online Admission Process' given on the University website before taking the admission form. Student shall check the availability of the LSC/ Study Center for the Academic Programme to which he/ she wish to take admission from the School of Sciences Prospectus 2023 and/ or School of Sciences Study Centre Details 2023.

PROGRAMME FEE RULES

Programme Fee Details, Eligibility Criteria and Fees Structure for Programmes offered in Academic Year 2023-24, Recognized LSCs/ Study Centers, etc are given in this Prospectus.

STUDENT EVALUATION

For each credit point of any course, total evaluation shall consist of following 2 (two) separate and independent components:

- **Continuous Assessment (CA):** This shall be “**Open Book Formative Evaluation without Supervision**” by the Counselor for the respective course at each study center. Aim of this component is not to assess student's learning but to provoke and motivate students for regular and better study.
- **End Examination (EE):** This shall be “**Closed Book Summative Evaluation under Supervision**” conducted by the university at the designated Exam Centers. Aim of this component is to assess student's learning. Normally, EE shall be conducted during 5th month of each semester.

Total Marks (TM): 'Total Marks (TM)' shall be sum of CA marks and EE marks acquired by the student in each course. Acquired marks by the student shall be **separately reported** for each course in the mark-statement for CA, EE and Total marks.

FROM 2023 PATTERN ONWARDS

As per NEP 2020, the 'Evaluation Pattern' of the Post graduate Programme consists of the following components:

Course Type	Number of Credits	End Examination(EE)/ University Assessment (UA)	Continuous Assesment (CA)	Total Marks "TM" = (EE+CA)	Minimum Passing %
Theory(T)	4	70	30	100	minimum 40% in EE and (CA + EE) shall be essential for each course to pass
Theory (T)	2	35	15	50	
Practical (P)	4	50	50	100	
OJT/Field Project (FP)	4	50	50	100	
Research Project (RP)	4	50	50	100	
Research Project(RP)	6	75	75	150	

1. **Separate and independent passing @ 40% in EE and (CA+EE) shall be essential for each course - Theory, Practical, OJT/FP and RP.** "CA, EE and Total marks" shall be separately reported for each course in the transcript or mark-statement.
2. **Only 1 attempt** for EE for each course shall be allowed in each semester. **Maximum 1 attempt**, for CA for each course, shall be allowed in each semester.
3. **Only best of past performance shall be reported in transcript or mark statement.**
4. **Total student evaluation for**
 - a. **Each** semester shall be for **550** marks.
 - b. **Each** year shall be for **1100** marks
 - c. **Each** regular PG degree shall be for **2200** marks.

Note: The detailed evaluation pattern for each type of course will be available very soon.

BEFORE 2023 PATTERN

- **Continuous Assessment (CA):** CA for each credit shall carry 5 marks (For course of 4 Credit, CA will be 20 Marks).
- **End Examination (EE):** EE for each credit shall carry 20 marks (For course of 4 Credit, EE will be 80 Marks).
- **Student Evaluation policies :**

End examination shall be conducted in totally face-to-face mode at exam centers under full supervision and control of university. Student shall not be allowed to refer any text or reference book or his/her own notes during end examination. **80% attendance shall be essential prerequisite for appearing in end exam** for Practical, Term-Work, Studio or Project-Work Type of Courses. Certification by the LSC/ Study Center Head / Coordinator on the "End Exam Hall Ticket" shall automatically certify this minimum 80% attendance.

1. **Theory Type of Courses:** EE shall have total 20 marks and 45 minutes duration for each credit of each course. For successful completion, minimum specified marks shall be essential. Block size for EE shall be 30 students. Only 5 (Five) SAQs, each of 05 marks, shall be asked on any one or more chapters from the respective credit. Out of 5 SAQs, students have to solve 4 SAQs. Each answer book shall be bar coded. Only total marks shall be reported for each student.
2. **Studio with Term-Work Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Batch size for EE shall be 20 students. Only total marks shall be reported for each student. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 50 Marks)	External Examiner (out of 50 Marks)
Term work submission	Out of 20	Out of 20
Continuous Assessment submission	Out of 20	Out of 20

3. **Studio with Viva Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Batch size for EE shall be 15

students. Only total marks shall be reported for each student. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (Out of 50 Marks)	External Examiner (Out of 50 Marks)
Term work submission	Out of 20	Out of 20
Continuous Assessment submission	Out of 20	Out of 20
Viva-Voce	Out of 10	Out of 10

4. **Practical Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 15 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (Out of 40 Marks)	External Examiner (Out of 40 Marks)
Journal (Work-Book)	Out of 05	Out of 05
Punctuality and attendance record	Out of 05	Out of 05
Conduct of One Randomly Selected Practical Activity	Out of 10	Out of 10
Report of Practical Activity	Out of 10	Out of 10
Viva-Voce	Out of 10	Out of 10

5. **Project Work Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 08 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective LSC/ Study Center. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 40 Marks)	External Examiner (out of 40 Marks)
Project Proposal and Review of Literature	Out of 10	Out of 10
Project Results and Report	Out of 20	Out of 20
Presentation	Out of 05	Out of 05
Viva-Voce	Out of 05	Out of 05

6. **Term Work Type of Courses:** EE shall have total 25 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 30 students. There shall be internal and external examiner.

Internal examiner shall be the respective academic staff/ mentor at the respective LSC/ Study Center/ business/ service unit or industry. The university shall appoint external examiner, who must be external to the respective LSC/ Study Center. In case of Programme on offer based on Learn & Earn scheme only, the LSC/ Study Center will appoint external examiner {Refer Evaluation & Examination details mentioned for Learn & Earn Scheme given in this Prospectus}.

Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit Term Work Type Course of **100** Marks based on the following criteria. Similarly, this criterion is proportionately applicable for a 8 Credit Term Work Course of 200 Marks {Refer End Examination details mentioned for Learn & Earn Scheme given in this Prospectus}.

Parameter	Internal Examiner (out of 50 Marks)	External Examiner (out of 50 Marks)
Punctuality and attendance record	Out of 10	Out of 10
Term work submission	Out of 20	Out of 20
VivaVoce	Out of 20	Out of 20

END EXAMINATION

Objective of End Examination is Assessment of the student's learning.

END EXAM SCHEDULE

End examination shall be arranged in 2 sessions on each day. Normal dates and timings shall be as given below. All students and LSCs/ Study Centers are expected to note following "End Exam Time-Table" as no separate notice or intimation regarding it shall be given to any student or LSC/ Study Center. Students are allowed to choose only those courses (**where student is admitted and registration period is valid**) for end examination, which are permitted by this "End Exam Time-Table."

Only under exceptional conditions, these dates may be changed with appropriate notice on website.

End Exam Time Table

Day and Date	Morning Session Semester 01, 02, 05, 06, 09, 10, 13, 14 Start Time: 10:30 Hrs	Afternoon Session Semester 03, 04, 07, 08, 11 and 12 Start Time: 14:30
End exam duration shall be for the specified time duration given on each "Question Paper" from the start time mentioned above.		
End Exam for only Theory Type of Courses, where last 3 characters of the course code are used (Full course codes are used for V58, V100, V92 and V96 Programmes) (V151 to V156 PG programmes [NEP2020] course code - FY starts from 500 series and SY starts from 600 series)		
01st Day: Course 01 Nov or May	011, 051, 091, 111, AEC111, SEC511, MES101, GEN171, 501	031, 071, 111, 131, SEC311, MES301, 601
02nd Day: Course 01 Nov or May	021, 061, 101, 121, AEC211, SEC611, MES104, 509	041, 081, 121, 141, SEC411, MES303, 609
03rd Day: Course 02 Nov or May	012, 052, 092, 112, S34121, S34521, BNY101, BNY301, S64121, S64521, MES102, 502	032, 072, 132, S34321, S64321, BNY201, MES302, 602
04th Day: Course 02 Nov or May	022, 062, 102, 122, S34221, S34621, BNY106, BNY307, S64221, S64621, MES201, 510	042, 082, 142, S34421, BNY206, S64421, MES401, 610

Day and Date	Morning Session Semester 01, 02, 05, 06,09, 10, 13, 14 Start Time: 10:30 Hrs	Afternoon Session Semester 03, 04, 07, 08,11 and 12 Start Time: 14:30
05th Day: Course 03 Nov or May	013, 053, 093, 113, S37131, S37531, S67131, S67531, MES103, 503	033, 073, 134, S37331, S67331, MES304, 603
06th Day: Course 03 Nov or May	023, 063, 103, 123, S37231, S37631, S67231, S67631, MES202, 511	043, 083, 143, S37431, S67431, MES402, 613, 614, 615
07th Day: Course 04 Nov or May	014, 054, 094, 114, S41141, S41541, S71141, S71541, ZGY101, ZGY301, 505	034, 074, 135, S41341, S71341, ZGY201, ZGY206, 606, 607, 608
08th Day: Course 04 Nov or May	024, 064, 104, 124, S41241, S41621, ZGY106, ZGY307, S71241, S71641, 515, 516	044, 084, 144, S41441, S71441, ZGY206
09th Day: Course 05 Nov or May	*015, 055, 095, 506, 507 (*Not applicable for T101)	035, 075, 137
10th Day: Course 05 Nov or May	*025, 065, 105 (*Not applicable for T101)	045, 085, 145
End Exam for Practical, Term-Work, OJT, FP, Studio or Project-Work Type of Courses shall be immediately before/ after the end exam for theory courses, but end positively before 30-Nov (for odd semester end exam) or 30-May (For even semester end exam). Students are required to contact their allotted exam center for the detail schedule.		

EE POLICIES AND RULES

- Last End Exam for Withdrawn Programmes** is given in the “Schedule of Last Further Admission and End Exam for Withdrawn Programmes” section, starting on pages 2-4.
- Now student shall be allowed to appear in End Exam (**as permitted by the end exam time table**) for all those courses where he/she is already admitted by the university, till last end exam attempt, if it is declared by the university.
- University shall not specify any last end exam attempt in case of “Programmes on Offer”.
- Student shall successfully complete the courses/ program before the last end exam attempt in case of “Withdrawn Programmes”. After the last end exam slot, no further end exam attempts will be given by the university in case of withdrawn programmes.

PERFORMANCE IMPROVEMENT

Only during the valid registration period, students are allowed to improve end exam performance by reappearing in the end examination for **only theory type of course**. Only the **best of the past end exam performance shall be reported** in the Mark-Statement. But, after the award of certification in the convocation, no performance improvement shall be allowed. Hence, student must attempt ‘End Exam Performance Improvement’ positively before applying for the convocation.

VERTICAL MOBILITY AND HORIZONTAL EXIST

Vertical mobility and Horizontal exist is recommended by UGC and also in National Education Policy 2020. This School adopted this policy in its programmes.

- Accordingly, learners who successfully complete first year of V136: M.Sc. (Environmental Science) {2021 Pattern} with aggregate 40% marks are eligible to award V136: Diploma in (Environmental Science) {2021 Pattern} diploma certification.
- As per NEP 2020, the exit option at the end of one year of from Master Degree programme will commence from AY 2024-2025. Accordingly, learners who have enrolled for a two year Post Graduate/Master Degree programme may opt for the exit option at the end of first year of the Post Graduate/Master Degree programme and earn a PG Diploma. However, ‘PG Diploma’ shall be awarded to enrolled learner who have successfully complete first year of the programmes and also have earned the requisite credits in one year including ‘On Job Training

(OJT)/Field Projects (FP) in the respective major courses. The learners are advised to check website regularly for updates and other announcements.

END EXAMINATION AND EVALUATION FEES

As per Finance committee subject no. 3 dated 27.03.2023 and Board of Management (BoM) resolution no. 187.3.20 dated 30.03.2023 the **Revised fees for the following services related to end examination and evaluation, are effective from 1st July 2023.**

SN	Description of Service	Fee in Indian Rupees₹ (Includes Postal Charges)
1	Re-registration fee	500.00
2	Course change fee	100.00
3	Profile change fee	300.00
4	Migration Certificate fee	400.00
5	Duplicate Statement of Marks (Marksheet)	200.00
6	Duplicate degree/ Diploma Certificate	400.00
7	Photocopy/Scancopy of Answer Sheets per copy by Email only	300.00
8	Verification of Marks (Per Subject)	100.00
9	Revaluation of Answer book per Subject	500.00
10	Transcript Certificate	
	(i) First Copy (Delivery in India)	1850.00
	(ii) For Outside India	2800.00
	(iii) For Every Additional Copy	400.00
11	Verification of Educational Documents	400.00
12	Medium of Instruction Certificate	400.00
13	Conversion Certificate	400.00
14	Admission Late fee	100.00
15	Admission Super Late fee	300.00
16	Repeater Student Exam Fees Per Subject (PG/Tech/Professional)	200.00
17	Repeater Student Practical/Studio Work Exam Fees	220.00 per Course (Subject)
18	Repeater Student Project work Exam Fees	330.00 per Course (Subject)
19	Study center change fees	300.00
20	Bonafied fees	50.00

CONVOCATION

AWARD OF CERTIFICATION

After successful completion of all subjects at all semesters of the academic programme and only after student comply with the 'Certification Eligibility' specified for the academic programme, respective certification (like Diploma, UG Degree, PG Diploma, PG Degree, PhD) may be awarded, in person or absentia, during the next convocation. But, the application by the student for the convocation along with the payment for the specified "Convocation Fee" shall be necessary. For more information, visit **here**.

MIGRATION CERTIFICATE

Do learners need to apply for a Migration Certificate?

Click the link below to fill online Migration Form available at University website

Online Migration Form

TRANSCRIPT

Do learners know the guidelines/Procedure for getting Transcript and Application Form for Transcript?

Click the link below to fill Application Form available at University website

Online Transcript Form

CONTACT US

WHOM TO CONTACT

University contact details are as follows:

Yashwantrao Chavan Maharashtra Open University (YCMOU)
Dnyangangotri, Near Gangapur Dam, Nashik – 422 222, MH, India
Phone: 0253 – 2231473, 2231714, 2231715, 2230227
Fax: 0253-2231716
<http://www.ycmou.ac.in>

1. As per the type of query, you may contact following sections / officers of the university.
2. **Always include following all details along with your query:**
 - a. Your Full Name
 - b. Your Student ID and Permanent Registration Number (PRN)
 - c. Your Programme Code and Name
 - d. Your LSC/ Study Center Code and Name

Contact Points at Study Centre and YCMOU

Type of Difficulties / Problems	Contact Points
Difficulties in any course and planning of academic activities at the Study Centre	The Counsellor / Coordinator or LSC/ Study Center Head at Study Centre
Registration Related Matters	Registration Head nondani@ycmou.digitaluniversity.ac Ph: (0253) 2230229. 9403774551
Student Services, Study Centre Related Matters/ Grievances	Director, Student Service Division dir_ssd@ycmou.digitaluniversity.ac Ph: (0253) 2231487
Evaluation Related Matters / Grievances	Director, Evaluation dir_eval@ycmou.digitaluniversity.ac
Examination Conduction, Online Exam Form, etc Related Matters	Assistant Registrar Examination Unit 3 Ph: (0253) 2230013 Result: result@ycmou.digitaluniversity.ac
Examination, result and convocation related Matters/ Grievances	The Controller of Examination coe@ycmou.digitaluniversity.ac Ph: (0253) 2231479/2230058
Academic Matters / Study Centre Related Problems	School of Sciences Ph : (0253) 2231473 director.ast@ycmou.ac.in
Grievances related to Academic Matters/ Study Centre	Director School of Sciences Ph: (0253) 2231473 director.ast@ycmou.ac.in

REGIONAL CENTERS

Following table provides contact information of **8** regional centers of the university.

S N	Regional Center [For Districts]	Address	Contact Details
1	Amrawati [Amrawati, Akola, Buldhana, Yawatmal, Washim]	V.M.V to Walgaon Road, Post V.M.V, Amravati - 444604	(M): 9422247292 Off: 0721-2531445 Fax: 0721-2531444 Email: rd_amravati@ycmou.digitaluniversity.ac
2	Aurangabad [Aurangabad, Beed, Jalna, Osmanabad]	Sr. No. 41, East side of Military Boys Hostel, Nandanvan Colony, Chhavni, Aurangabad - 431002	(M): 9422247293 Off: 0240-2371066/77 Fax: 0240-2371088 Email: rd_aurangabad@ycmou.digitaluniversity.ac
3	Kolhapur [Kolhapur, Sangli, Ratnagiri, Sindhudurg]	Near Shivaji Un iversity Post Office, Vidya Nagar, Kolhapur - 461004	(M): 9422247294 Off: 0231-2607022 Fax: 0231-2607023 Email: rd_kolhapur@ycmou.digitaluniversity.ac
4	Mumbai [Mumbai, Navi Mumbai, Raigad, Thane]	Jagannath Shankarsheth Municipal School, 2 nd Floor, Fraier Bridge (South), Nana Chowk, Grant Road, Mumbai - 400007	(M): 9403774534 Off: 022-23874180/23874183 Fax: 022-23874187 Email: rd_mumbai@ycmou.digitaluniversity.ac
5	Nagpur [Nagpur, Bhandara, Gondia, Chandrapur, Gadchiroli, Vardha]	Ravbahadur D. Laxminarayan Bungalow, Vidyapith Krida Parisar, Law College Campus, Ravinagar Chowk, Nagpur - 440001	(M): 9422247295 Off: 0712-2553724 Fax: 0712-2553725 Email: rd_nagpur@ycmou.digitaluniversity.ac
6	Nanded [Nanded, Latur, Parbhani, Hingoli]	Swami Ramanand Tirth Marathwada Vidyapeeth Campus, Nanak Kaman, Zari Road, Vishnupuri, Nanded - 431 606	(M): 9422247296 Off: 02462-229940 Fax: 02462-229950 Email: rd_nanded@ycmou.digitaluniversity.ac
7	Nashik [Nashik, Ahamednagar, Dhule, Jalgaon, Nandurbar]	Old Municipal Corporation Building, 2nd Floor, New Pandit Colony, Nashik – 422002	(M): 9422247297 Off: 0253-2317063 Fax: 0253-2576756 Email: rd_nashik@ycmou.digitaluniversity.ac
8	Pune [Pune, Satara, Solapur]	C/o ShahirAnnabhau Sathe Prashala, Municipal School No 5, 654, Sadashiv Peth, Kumthekar Marg, Pune - 411030	(M): 9422247298 Off: 020-24457914 Fax: 020-24491107 Email: rd_pune@ycmou.digitaluniversity.ac

LEARNER SUPPORT CENTERS OR STUDY CENTERS

Learner Support Centers or StudyCenters details for all Programmes on offer and for withdrawn programmes are separately given in the document “School of Sciences Learner Support Centers (LSC) Details 2023**” and made available at university website.**

APPENDICES

APPENDIX 1: GR COPIES FOR LEARN & EARN SCHEME

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ
आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी
ॲंड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमानाने
चालविण्यात येणा-या "शिका व कमवा" या
योजनेसाठी शासनाची मान्यता प्रदान
करण्याबाबत..

महाराष्ट्र शासन
उच्च व तंत्र शिक्षण विभाग
शासन निर्णय क्र. मान्यता-२०१७/(१८८/१७)/विशि-३
मादाम कामा रोड, हुतात्मा राजगुरु चौक,
मंत्रालय विस्तार भवन, मुंबई ४०० ०३२.
दिनांक :- १३ मार्च, २०१८.

- वाचा- १. शासन निर्णय उच्च व तंत्र शिक्षण विभाग क्र. टिईडी २०१०/(१४४/१०)/ताशि-५,
दि. २६ जुलै, २०१०.
२. संचालक, तंत्रशिक्षण महाराष्ट्र राज्य मुंबई यांचे पत्र क्र. १०/एनजीपी/शिका व
कमवा/२०१५/२७१, दि. १.४.२०१५ व क्र. १०/एनजीपी/शिका व कमवा/२०१५/४४६,
दि. १९.५.२०१५.
३. शासन निर्णय उच्च व तंत्र शिक्षण विभाग क्र. मान्यता-२०१४/(१४७/१४)/ताशि-५,
दि. २९ मे, २०१५.
४. कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांचे इरादा पत्र,
दि. ३० मार्च, २०१७.

प्रस्तावना :-

कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांनी दि. ३१ मार्च, २०१७
रोजी घ्या पत्रान्वये अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट, ठाणे यांना काही
अभ्यासक्रम सुरु करण्याचे इरादापत्र प्रदान केले आहे. सदर इरादा पत्रातील तरतूदीनुसार
राज्यामध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठामार्फत चालविण्यात येणा-या पदविका
स्तरावरील १. डिप्लोमा इन इसेन्शियल स्किल्स (Diploma in Essential Skills), २. डिप्लोमा इन
बीझनेस स्किल्स (Diploma in Business Skills), आणि ३. डिप्लोमा इन इंडेस्ट्रीयल स्किल्स
(Diploma in industrial Skills) हे तीन अभ्यासक्रम, अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड
मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमाने "शिका व कमवा" या उपक्रमांतर्गत राबविण्यात येणार
आहेत.

केंद्र शासनाच्या स्किल इंडिया या अभियानांतर्गत अधिकाधिक कुशल कामगारांची निर्मिती
करणे त्यासाठी नवनवीन कौशल्य प्रशिक्षण अभ्यासक्रम सुरु करण्यात येत आहेत. यापूर्वीच
व्यवसायिक, रिटेल, औद्योगिक इ. क्षेत्रांमध्ये काम करीत असलेल्या विद्यार्थ्यांना किंवा औद्योगिक
क्षेत्रांमध्ये सामावून घेणा-या प्रशिक्षणार्थ्यांना स्किल डेव्हलपमेंट या कार्यक्रमात सहभाग करून घेणे

क्रमप्राप्त ठरणार आहे. याकरीता सार्वजनिक क्षेत्र व खाजगी क्षेत्र यांनी आपापसात भागीदारी तत्वावर काम करणे आवश्यक आहे. ही बाब विचारात घेऊन यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमाने “शिका व कमवा” ही योजना अंमलात येणार आहे. या योजनेअंतर्गत अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे या संस्थेकडून काही नामवंत उद्योगांबरोबर सामंजस्य करार (MOU) केले जाणार आहेत. या माध्यमातून पदविका स्तरावरील अभ्यासक्रम राज्यभरात गरीब विद्यार्थ्यांना शिकत असताना on the job प्रशिक्षण देऊन त्यांना उद्योगधंदे व व्यवसायांमध्ये सामावून घेण्यात येणार आहे. या कालावधीत त्यांना विद्यावेतन देखील देण्यात येणार आहे. त्यामुळे गरीब विद्यार्थ्यांना मोफत पायाभुत स्वरूपाचे (Basic) उपयोजित तंत्र शिक्षण, कौशल्य शिक्षण, लेखा विषयक शिक्षण इत्यादी कौशल्यांची प्राप्ती होणार असून विद्यार्थ्यांना विद्यावेतन देखील प्राप्त होणार आहे. या उपक्रमांतर्गत येणारा संपूर्ण खर्च उपभोक्ता म्हणून उद्योजकांकडून सोसण्यात येणार आहे. त्यामुळे प्रत्यक्षात शासनावर कोणत्याही प्रकारचा आर्थिक भार पडणार नाही.

त्याच धर्तीवर यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमाने चालविण्यात येणा-या “शिका व कमवा” या योजनेला शासनाचे सहकार्य देण्याबाबतचा प्रस्ताव शासनाच्या विचाराधीन होता. उक्त प्रस्तावाचा सर्वांगीण विचार करून शासन खालीलप्रमाणे निर्णय घेत आहे.

शासन निर्णय :-

यशवंतराव चव्हाण मुक्त विद्यापीठ आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्या दरम्यान “शिका व कमवा” या उपक्रमांतर्गत पदविका स्तरावरील प्रशिक्षणाकरिता १. डिप्लोमा इन इशेन्शियल स्किल्स (Diploma in Essential Skills), २. डिप्लोमा इन बीझनेस स्किल्स (Diploma in Business Skills), आणि ३. डिप्लोमा इन इंडेस्ट्रीयल स्किल्स (Diploma in industrial Skills) हे तीन अभ्यासक्रम राबविण्यासाठी विद्यापीठाने सदर संस्थेस दिलेल्या इरादापत्रास शासनाची मान्यता प्रदान करण्यात येत आहे.

२. ही शासन मान्यता खालील अटी व शर्तीच्या अधिन राहून देण्यात येत आहे :-
१) “शिका व कमवा” या उपक्रमांतर्गत सहभाग असलेल्या सर्व विद्यार्थ्यांना on the job training (कामावर असतानाचे प्रशिक्षण) उद्योग व व्यवसाय मध्ये देण्यात येते. सदर शिक्षण पूर्ण झाल्यानंतर त्यांना पदविका प्रमाणपत्र यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठामार्फत देण्यात येणार आहे. ही बाब विचारात घेऊन, प्रशिक्षणार्थींना “Apprenticeship Act, १९६१” मधील तरतूदीचे तंतोतंत पालन करण्याच्या अटीच्या अधीन राहून अभ्यासक्रमाच्या कालावधीत Apprentice म्हणून संबोधण्यात यावे.

- २) उक्त प्रशिक्षणार्थीचा प्रशिक्षणाचा कालावधी २ वर्षांपलिकडे जाणार नाही याची काळजी विद्यापीठाने घ्यावी. तसेच विद्यार्थ्यांना "Apprenticeship Act, १९६१" मधील तरतुदीनुसार अनुज्ञेय ठरविलेले किमान विद्यावेतन किंवा उद्योजक यापेक्षा जास्त विद्यावेतन देऊ इच्छित असेल तर ते विद्यावेतन संबंधित उद्योजक यांकडून देण्यात यावे.
- ३) विद्यार्थ्यांसाठी साधन सामग्री, पाठ्यपुस्तके व साहित्य इत्यादी आणि प्रशिक्षणावरील इतर सर्व खर्चाचा भार ज्या उद्योगांच्या कारखान्यामध्ये विद्यार्थी प्रशिक्षण घेत असतील त्या उद्योजक आस्थापना किंवा अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे हे सोसतील.
- ४) सर्व सहभागी विद्यार्थ्यांचा विमा उतरविण्यात यावा तसेच त्यांच्या सुरक्षितता व वैद्यकीय देखभाली संदर्भात आवश्यक त्या उपाययोजना कराव्यात.
- ५) उपलब्ध सुविधांचा विचार करून या योजनेमध्ये सहभागी होण्याचा निर्णय विद्यापीठाच्या सहमतीने घेण्याची मुभा अन्य संस्थांना राहिल. यासाठी संस्थांनी आवश्यकतेनुसार अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे या संस्थेशी स्वतंत्र करारनामा करावा.
- ६) या अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे संस्थेच्या पदाधिका-यांकडून चांगल्या वर्तणूकीची हमी घेण्यात यावी. तसेच सदर अभ्यासक्रमांचा दर्जा व गुणवत्ता ही अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्यामार्फत उत्तम राखली जाईल याची खात्री विद्यापीठाने करावी व तिचे सनियंत्रण करावे. गैरव्यवहार, दर्जा न राखणे या व अशा अन्य स्वरूपाच्या योग्य (Valid) कारणांसाठी हे अभ्यासक्रम राबविण्यास दिलेली मान्यता रद्द करण्याचे अधिकार शासनास राहतील.
- ७) या सुविधा यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांच्यामार्फत अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे या संस्थेस अभ्यासक्रम चालविण्यासाठी दिलेल्या मान्यतेच्या कालावधीपुरत्या मर्यादित राहतील.
- ८) या अभ्यासक्रमांच्या मान्यतेच्या/कार्यपद्धतीच्या अनुषंगाने भविष्यात काही गुंतागुंत झाल्यास/ न्यायालयीन प्रकरण उद्भवल्यास त्याची संपूर्ण जबाबदारी यशवंतराव चव्हाण मुक्त विद्यापीठची राहिल.
- ९) शासनास आवश्यक असेल त्यावेळी शासनकडून नवीन अटी व शर्ती घालण्यात येतील.
- १०) वरील सर्व अटी व शर्ती मान्य असल्याचे बंधनपत्र संस्थेने विद्यापीठास तसेच शासनास सादर करणे आवश्यक राहिल.

३. सदर शासन निर्णय, महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक क्रमांक २०१८०३१३१७५११९७७०८ असा आहे. हा आदेश डिजिटल स्वाक्षरीने साक्षात्कृत करून काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल याच्या आदेशानुसार व नावाने,

Sanjay A.
Dharurkar

Digitally signed by Sanjay A. Dharurkar
DN: cn=Sanjay A. Dharurkar, o=Government of Maharashtra,
ou=Higher and Technical Education Department,
email=sanjay.dharurkar@mah.nic.in, c=India
Date: 2018.03.13 11:13:13 +05'30'

(स. औ. धारुरकर)

अवर सचिव, महाराष्ट्र शासन


प्रति,

१. कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक.
२. संचालक, उच्च शिक्षण, पुणे.
३. संचालक, तंत्र शिक्षण संचालनालय, महाराष्ट्र राज्य, मुंबई.
४. संचालक, व्यवसाय शिक्षण व प्रशिक्षण, मुंबई.
५. संचालक, महाराष्ट्र राज्य तंत्रशिक्षण मंडळ, वांद्रे(पू) मुंबई.
६. मा. मंत्री (उ.व. त. शि.) यांचे विशेष कार्यकारी अधिकारी, मंत्रालय, मुंबई.
७. मा. अप्पर मुख्य सचिव, उच्च व तंत्र शिक्षण विभाग यांचे स्वीय सहाय्यक.
८. श्री. सुधीर दिक्षीत, अध्यक्ष, अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ६०१, पॅराडाईज टॉवर, ठाणे (पश्चिम) ४०० ६०१.
९. निवड नस्ती.

APPENDIX 2: UGC RECOGNITION (1992)

APPENDIX 1	
APPENDIX 1.1 : LETTER OF RECOGNITION FROM UGC	
UNIVERSITY GRANTS COMMISSION BAHADUR SHAH ZAFAR MARG NEW DELHI-110002.	
NO. F.5-15/89 (OPP-I)	December, 1992
The Secretary Govt. of Maharashtra Higher and Technical Education and Employment Deptt Mantralaya Annexe Bombay-400032.	
Sub : Recognition of Yashwantrao Chavan Maharashtra Open University, Nashik for Central assistance under Section 12-B of the UGC Act, 1956.	
Sir,	
With reference to the correspondence resting with your letter No. MOJ/ 63003 (241/92) UNI dated 11 th November, 1992 on the above subject, I am to say that the University Grants Commission has agreed to declare the Yashwantrao Chavan Maharashtra Open University Nashik established under Maharashtra State Act No. XX of 1989, fit to receive Central assistance for all purposes including Institutional development in terms of the rules framed under Section 12-B of the UGC Act, 1956.	
The receipt of the letter may please be acknowledged.	
Yours faithfully,	
Sd/xxx (I J GUPTA) JOINT SECRETARY	
Copy to: -	
1. The Vice - Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik-422005.	
2. Secretary to the Govt. of India, Ministry of Human Resource Development (Deptt. of Education) New Delhi.	
3. The Registrar, Indira Gandhi National Open University, Maidan Garhi, New Delhi- 110068.	
4. The Secretary, Association of Indian Universities, 16, Kotla Marg, New Delhi- 110002.	
5. Desk Officer (Meeting) / S.O.FD-III/S.O.SU-II/S.O.-I, Stat. U.G.C. New Delhi.	
6. All Officers /Sections, UGC New Delhi.	
Sd/- (D. D. Mehta) SECTION OFFICER	

APPENDIX3:UGC EQUIVALENCE LETTER (2004)

 ज्ञान-विज्ञान विमुक्तये	<p>विश्वविद्यालय अनुदान आयोग बहादुरशाह जफर मार्ग नई दिल्ली - ११०००२ UNIVERSITY GRANTS COMMISSION BAHADURSHAH ZAFAR MARG NEW DELHI-110002</p> <p>5 MAY 2004</p>
F1-52/2000(CPP-II)	
The Registrar / Director Of all the Indian Universities (Deemed, State, Central Universities / Institutions of National importance)	
Subject : Recognition of Degrees awarded by Open Universities.	
Sir/Madam,	
<p>There are a number of open Universities in the country offering various degrees/diploma through the mode of non-formal education. The Open Universities have been established in the country by an Act of Parliament or State Legislature in accordance with the provisions contained in Section 2(f) of University Grants Commission Act, 1956. These universities are, therefore, empowered to award degrees in terms of Section 22(1) of the UGC Act, 1956.</p> <p>A circular was earlier issued vide UGC letter N.F.1-8/92(CPP) dated February, 1992 mentioning that the Certificate, Diplomas and Degrees awarded by Indira Gandhi National Open University are to be treated equivalent to the corresponding awards of the Universities in the country.</p> <p>Attention is further invited to UGC circular No.F1-25/93(CPP-II) dated 28th July, 1993 (copy enclosed) for recognition of degrees and diplomas as well as transfer of credit for courses successfully completed by students between the two types of universities so that the mobility of students from Open University stream to traditional Universities is ensured without any difficulty.</p> <p>The UGC has specified the nomenclature of degrees under Section 22(3) of the UGC Act, 1956 to ensure mandatory requirements viz. minimum essential academic inputs required for awarding such degrees. A copy of Gazette Notification regarding specification of degrees issued vide No.1-52/97(CPP-II) dated 31st January 2004 is enclosed. The details are also given in UGC Web site : www.ugc.ac.in</p> <p>May, I therefore request you to treat the Degrees / Diploma / Certificates awarded by the Open Universities in conformity with the UGC notification on Specification of Degrees as equivalent to the corresponding awards of the traditional Universities in the country.</p>	
Yours faithfully (Dr. Mrs. Pankaj Mittal) Joint Secretary	
Encl. : As Above	
Copy to :	
<ol style="list-style-type: none">1. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education and Higher Education, Shastri Bhavan, New Delhi-110001.2. The Secretary, All India Council for Technical Education, I.G. Sports Complex, Indraprastha Estate, New Delhi-110002.3. The Secretary, Association of Indian Universities (AIU), 16, Comrade Inderjit Gupta Marg (Kotla Marg), New Delhi-110002.4. The Secretary, National Council for Teacher Education, I.G. Stadium, I. P. Estate, New Delhi-110002.5. The Director of Distance Education Council, IGNOU Campus, Maidan Garhi, New Delhi-110068.6. The Vice-Chancellor, Indira Gandhi National Open University, Maidan Garhi, New Delhi-110068.7. The Vice-Chancellor, Dr. B. R. Ambedkar Open University, Road, No. 46, Jubilee Hills, Hyderabad-500033. (AP)8. The Vice-Chancellor, Nalanda Open University, West Gandhi Maidan, Patna-800001 (Bihar)9. The Vice-Chancellor, Dr. Babasaheb Ambedkar Open University, Shahigaug, Ahmedabad-380003 (Gujarat)10. The Vice-Chancellor, Karnataka State Open University, Manasagangotri, Mysore-570006 (Karnataka)11. The Vice-Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik-422222 (Maharashtra)12. The Vice-Chancellor, Kota Open University, Vardhaman Mahaveer Open University, Kota-324010 (Rajasthan)13. The Vice-Chancellor, Netaji Subhash Open University, Kolkata-700020 (West Bengal)14. The Vice-Chancellor, Madhya Pradesh Bhoj (Open) University, Bhopal-462016 (M.P.)	
(V.K. Jaiswal) Under Secretary	

APPENDIX 4: GOVERNMENT OF MAHARASHTRA GR (1995)

मुक्त विद्यापीठाच्या पदव्यांना समकक्षता व शासनमान्यता

(१) अन्य विद्यापीठांच्या पदवींशी समकक्षता

मा. शिक्षण संचालक (उच्च शिक्षण) महाराष्ट्र राज्य यांच्या पत्र क्र. समक (उ. सि.)/१०९४/३२८६१/मशि-१, दि. ३० ऑक्टोबर १९९५ च्या पत्रान्वये 'केंद्रीय किंवा राज्य विधिमंडळाने अधिनियमाद्वारे भारतातील विद्यापीठाने दिलेली पदवी/पदविका आणि संसदेने अधिनियमाद्वारे इतर शैक्षणिक संस्था प्रस्तावित केलेल्या आहेत किंवा विद्यापीठ अनुदान आयोग अधिनियम (१९५६) मधील कलम क्र. ३ अन्वये मान्य विद्यापीठे घोषित केली आहेत अशांच्या बाबतीत पदवी किंवा पदविका मान्यता देण्याबाबतचे औपचारिक आवेदन विद्यापीठाने काढण्याची आवश्यकता नाही'.

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे महाराष्ट्र राज्याच्या विधिमंडळाने अधिनियमाद्वारे (कायदा क्र. २०/१९८९) स्थापन केलेले विद्यापीठ असून त्यास विद्यापीठ अनुदान आयोगाची मान्यता आहे. त्यामुळे या विद्यापीठाची पदवी इतर विद्यापीठांच्या पदवींशी समकक्ष आहे.

(२) विद्यापीठ अनुदान आयोगाची मान्यता

विद्यापीठ अनुदान आयोग, नवी दिल्ली यांनी त्यांचे पत्र क्र. F/S-13/89 (CPP-I) दि. ८ डिसेंबर १९९२ नुसार विद्यापीठ अनुदान आयोगाच्या १९५६ च्या कायद्यातील कलम १२-बी अन्वये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठास मान्यता दिली आहे.

(३) महाराष्ट्र लोकसेवा आयोगाची मान्यता

उपसचिव व परीक्षा नियंत्रक, महाराष्ट्र लोकसेवा आयोग, मुंबई यांच्या पत्र क्र. १४७७ (१७/१९९४/कक्ष) दि. १७ फेब्रुवारी १९९४ च्या पत्रातील मान्यतेसंबंधीचा मजकूर - 'यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे संविधानान्वय (Statutory) असल्यामुळे आपल्या विद्यापीठाच्या पदवीधर विद्यार्थ्यांकडून आलेले अर्ज देखील इतर मान्यताप्राप्त विद्यापीठांच्या पदवीधर उमेदवारांकडून आलेल्या अर्जांप्रमाणेच आयोगाकडून विचारात घेतले जातील'.

मुक्त विद्यापीठाच्या पदवी/पदविकांना महाराष्ट्र शासनमान्यता

विद्यापीठ अनुदान आयोगाने मान्यता दिलेली विद्यापीठे

राज्य सेवेतील पदव्यांची पदवी/पदविका मान्यता

महाराष्ट्र शासन

सामान्य प्रशासन विभाग

शासन निर्णय : क्रमांक आजीडी-१३२४/प्र.क्र. २१/९४/१३, मंत्रालय, मुंबई
१०००३२, दिनांक ८ मार्च १९९५

याचा : (१) सामान्य प्रशासन विभाग, शासन निर्णय क्रमांक आजीडी-१०६१/१८९९७/१९४ - दिनांक २१ ऑगस्ट १९९९

शासन निर्णय : महाराष्ट्र लोक सेवा आयोगाशी विचार विनिमय करून उपरोक्त विद्यापीठ २१ ऑगस्ट १९९९ च्या आदेशाद्वारे असा निर्णय घेण्यात आला होता की, केंद्र अथवा राज्य विधिमंडळाच्या अधिनियमाद्वारे स्थापित झालेली विद्यापीठे, संसदेच्या अधिनियमाद्वारे स्थापन झालेल्या इतर शैक्षणिक संस्था, किंवा विद्यापीठ अनुदान आयोग अधिनियम, १९५६ च्या अंतर्गत धारा ३ अन्वये जाहीर झालेली मान्य विद्यापीठे यांनी प्रदान केलेल्या पदव्या / पदविका तसेच भारतीय वैद्यकीय मंडळ अधिनियम, १९५६ च्या परिशिष्टांमध्ये अंतर्भूत केलेल्या वैद्यकीय व संलग्न विषयांमधील पदव्या यांना शासकीय महाविद्यालयातील अध्यापकीय पदे वागवता, राज्यातील सेवा व पदांवरील भरतीसाठी आपोआप मान्यता प्राप्त झालेली असल्याचे समजण्यात यावे.

(२) सदर आदेशाप्रमाणे विद्यापीठ अनुदान आयोगाने मान्यता दिलेल्या वैधानिक विद्यापीठे व संस्थांची यादी जोडण्यात आली होती. आयोग मान्यताप्राप्त विद्यापीठे व संस्था यांची अद्ययावत यादी अलात या आदेशासोबत जोडण्यात आली आहे. शासन निर्णय, सामान्य प्रशासन विभाग, क्रमांक आजीडी - १०६१/१८९९७/१९४/दिनांक २१ ऑगस्ट १९९९ मध्ये नमूद केलेल्या आणि नर परिच्छेद १ मध्ये उद्धृत केलेल्या रेग्युलरी शहर सर्व विद्यापीठे/संस्था यांनी प्रदान केलेल्या पदवी/पदविकांना आपोआप मान्यता देण्यात आल्याचे समजण्यात यावे.

महाराष्ट्रचे राज्यपाल यांच्या आदेशानुसार व नावाने

डा. र. रामे

अवर सचिव, महाराष्ट्र शासन

संक्षेप

- (१) राज्यपालांचे सचिव
- (२) मुख्य मंत्रालय सचिव
- (३) सचिव, महाराष्ट्र लोकसेवा आयोग, मुंबई
- (४) महासेवायंत्र, महाराष्ट्र-१, मुंबई
- (५) महासेवायंत्र, महाराष्ट्र-२, मुंबई
- (६) निवसरी सेवा परीक्षा अधिकारी, मुंबई
- (७) अधिकांक व सेवा अधिकारी, मुंबई
- (८) प्रत्येक, उच्च न्यायालय (पुढील न्याय शाखा), मुंबई
- (९) प्रत्येक, उच्च न्यायालय (अपील शाखा), मुंबई
- (१०) प्रत्येक, लोक आपुलक व उप लोक आपुलक यांचे कार्यालय, मुंबई
- (११) सर्व मंत्रालयांचे शिक्षण
- (१२) संलग्न विभागांच्या निवेदनांच्या निवेदनाद्वारे सर्व विभाग प्रमुख व कार्यालय प्रमुख
- (१३) अथा सचिव, भारत सरकार, शिक्षण मंत्रालय, नवी दिल्ली
- (१४) निवेदकाली

याचा : महाराष्ट्र शासनाच्या उपरोक्त शासन निर्णय क्रमांक आ.जी.डी. १३९४/प्र.क्र. २१/९४/१३ मंत्रालय, मुंबई. दिनांक ८ मार्च १९९५ च्या सोबत जोडलेल्या यादीमध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांची अनुक्रमांक १४६ पर नोंद करण्यात आलेली आहे.

APPENDIX 5: ADMISSION FOR MORE THAN 1 PROGRAMME

https://www.ugc.gov.in/pdfnews/9651619_LETTER-GUIDELINES-FOR-PURSUING-TWO-ACADEMIC-PROGRAMMES-SIMULTANEOUSLY.pdf



प्रो. रजनीश जैन
सचिव
Prof. Rajnish Jain
Secretary



विश्वविद्यालय अनुदान आयोग
University Grants Commission

(विद्या ऽ मृतमश्नुते, भारत सरकार)
(Ministry of Education, Govt. of India)

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D.O.No.1-6/2007 (CPP-II)(New)

13th April, 2022

Respected Madam/ Sir,

The National Education Policy - NEP 2020 states that pedagogy must evolve to make education more experiential, holistic, integrated, inquiry-driven, discovery-oriented, learner-centred, discussion-based, flexible, and, of course, enjoyable. The policy envisions imaginative and flexible curricular structures to enable creative combinations of disciplines for study, that would offer multiple entry and exit points, thus, removing currently prevalent rigid boundaries and creating new possibilities for life-long learning and centrally involve critical and interdisciplinary thinking.

With the rapid increase in demand for higher education and limited availability of seats in regular stream, several Higher Education Institutions (HEIs) have started a number of programmes in Open and Distance Learning (ODL) mode to meet the aspirations of students. It has also led to the emergence of online education programmes which a student can pursue within the comforts of her / his home. The issue of allowing the students to pursue two academic programmes simultaneously has been examined by the Commission keeping in view the provisions envisaged in the National Education Policy - NEP 2020 which emphasizes the need to facilitate multiple pathways to learning involving both formal and non-formal education modes.

In view of above, UGC has framed the guidelines for pursuing two academic programmes simultaneously which are attached herewith.

All the universities and their affiliated colleges/institutions are requested to implement these guidelines for the benefit of the students.

With kind regards,

Yours sincerely,

(Rajnish Jain)

To
The Vice-Chancellors of all Universities
The Principals of all Colleges/Institutes

https://www.ugc.gov.in/pdfnews/5729348_Guidelines-for-pursuing-two-academic-programmes-simultaneously.pdf

Guidelines for Pursuing Two Academic Programmes Simultaneously



**University Grants Commission
Bahadur Shah Zafar Marg
New Delhi**

April, 2022

Guidelines for Pursuing Two Academic Programmes Simultaneously

Background

The National Education Policy - NEP 2020 states that pedagogy must evolve to make education more experiential, holistic, integrated, inquiry-driven, discovery-oriented, learner-centred, discussion-based, flexible, and, of course, enjoyable. The policy envisions imaginative and flexible curricular structures to enable creative combinations of disciplines for study, that would offer multiple entry and exit points, thus, removing currently prevalent rigid boundaries and creating new possibilities for life-long learning and centrally involve critical and interdisciplinary thinking.

With the rapid increase in demand for higher education and limited availability of seats in regular stream, several Higher Education Institutions (HEIs) have started a number of programmes in Open and Distance Learning (ODL) mode to meet the aspirations of students. It has also led to the emergence of online education programmes which a student can pursue within the comforts of her / his home. The issue of allowing the students to pursue two academic programmes simultaneously has been examined by the Commission keeping in view the proposals envisaged in the National Education Policy - NEP 2020 which emphasizes the need to facilitate multiple pathways to learning involving both formal and non-formal education modes.

In view of above, UGC has framed the following Guidelines.

Objectives

To allow the students to pursue two academic programmes simultaneously keeping in view the following objectives envisaged in NEP 2020:

- recognizing, identifying, and fostering the unique capabilities of each student, by sensitizing teachers as well as parents to promote each student's holistic development in both academic and non-academic spheres;
- no hard separations between arts and sciences, between curricular and extra-curricular activities, between vocational and academic streams, etc. in order to eliminate harmful hierarchies among, and silos between different areas of learning;

- multidisciplinary and a holistic education across the sciences, social sciences, arts, humanities, and sports for a multidisciplinary world in order to ensure the unity and integrity of all knowledge;
- enabling an individual to study one or more specialized areas of interest at a deep level, and also develop character, ethical and constitutional values, intellectual curiosity, scientific temper, creativity, spirit of service.
- offering the students, a range of disciplines including sciences, social sciences, arts, humanities, languages, as well as professional, technical, and vocational subjects to make them thoughtful, well-rounded, and creative individuals.
- preparing students for more meaningful and satisfying lives and work roles and enable economic independence.

Guidelines

1. A student can pursue two full time academic programmes in physical mode provided that in such cases, class timings for one programme do not overlap with the class timings of the other programme.
2. A student can pursue two academic programmes, one in full time physical mode and another in Open and Distance Learning (ODL)/Online mode; or up to two ODL/Online programmes simultaneously.
3. Degree or diploma programmes under ODL/Online mode shall be pursued with only such HEIs which are recognized by UGC/Statutory Council/Govt. of India for running such programmes.
4. Degree or diploma programmes under these guidelines shall be governed by the Regulations notified by the UGC and also the respective statutory/professional councils, wherever applicable.
5. These guidelines shall come into effect from the date of their notification by the UGC. No retrospective benefit can be claimed by the students who have already done two academic programmes simultaneously prior to the notification of these guidelines.

The above guidelines shall be applicable only to the students pursuing academic programmes other than Ph.D. programme.

Based on the above guidelines, the universities can devise mechanisms, through their statutory bodies, for allowing their students to pursue two academic programmes simultaneously as mentioned above.