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CUET 2025 Biology

Edupreparator's Online CUET 2025 Exam Preparation Live classes + Test Series of Biology Domains:

Welcome to Edupreparator, your trusted partner in unlocking success in the Online CUET 2025 (Common Universities Entrance Test) Exam. Our specialized Live classes + Test Series in Biology are meticulously designed to empower students with the knowledge and skills needed to excel in the CUET 2025 examination.

Biology CUET 2025 Domains + Test Series Highlights:

1. **Live and Recorded Classes:**

We are providing you with 22+ Hour Live Biology domain classes and the flexibility of recorded sessions that will be a 6-week Programme.

Our expert educators, well-versed in Biology, bring the curriculum to life, ensuring an engaging and effective learning experience.

Biology Live Classes Schedule

Date	Topics	Timings
15-03-2025	Chapter 1 Sexual Reproduction in Flowering Plants	4-6 pm
18-03-2025	Chapter 2 Human Reproduction	4-6 pm
22-03-2025	Chapter 3 Reproductive Health	4-6 pm
26-03-2025	Chapter 4 Principles of Inheritance and Variation	4-6 pm

30-03-2025	Chapter 5 Molecular Basis of Inheritance	4-6 pm
03-04-2025	Chapter 6 Evolution	4-6 pm
06-04-2025	Chapter7 Human Health and Disease	4-6 pm
09-04-2025	Chapter 8 Microbes in Human Welfare	4-6 pm
13-04-2025	Chapter 9 Biotechnology : Principles and Processes	4-6 pm
16-04-2025	Chapter 10 Biotechnology and its Applications	4-6 pm
19-04-2025	Chapter 11 Organisms and Populations	4-6 pm
23-04-2025	Chapter 12 Ecosystem	4-6 pm
27-04-2025	Chapter 13 Biodiversity and Conservation	4-6 pm

2. **Chapters Wise Tests:**

- **To reinforce conceptual understanding, we also offer chapter-wise tests of all chapters that focus on specific topics within the Biology syllabus.**
- **These tests allow students to examine deep into individual chapters, identifying strengths and areas for improvement.**

- Immediate feedback is provided, enabling students to track their progress and tailor their study plans accordingly.

Chapter Wise Test Schedule

Date	Topics	Timings
17-03-2025	Chapter 1 Sexual Reproduction in Flowering Plants	4-6 pm
20-03-2025	Chapter 2 Human Reproduction	4-6 pm
24-03-2025	Chapter 3 Reproductive Health	4-6 pm
28-03-2025	Chapter 4 Principles of Inheritance and Variation	4-6 pm
01-04-2025	Chapter 5 Molecular Basis of Inheritance	4-6 pm
05-04-2025	Chapter 6 Evolution	4-6 pm
08-04-2025	Chapter7 Human Health and Disease	4-6 pm
11-04-2025	Chapter 8 Microbes in Human Welfare	4-6 pm
15-04-2025	Chapter 9 Biotechnology : Principles and Processes	4-6 pm

18-04-2025	Chapter 10 Biotechnology and its Applications	4-6 pm
21-04-2025	Chapter 11 Organisms and Populations	4-6 pm
25-04-2025	Chapter 12 Ecosystem	4-6 pm
28-04-2025	Chapter 13 Biodiversity and Conservation	4-6 pm

3. **Expertly Crafted Mock Tests and Discussion:**

- **Our Test Series includes 5 full-length mock tests, providing students with a real-time online exam experience with Test Discussion in recorded form.**
- **Each mock test is designed by experienced educators and subject matter experts, ensuring a comprehensive coverage of the CUET Biology syllabus.**

Comprehensive Full-Length Biology Domains Mock Test

Date	Topics	Timings
30-04-2025	Mock Test -1 (Book I and II)	3 pm
02-05-2025	Mock Test -2 (Book I and II)	3 pm
04-05-2025	Mock Test -3 (Book I and II)	3 pm
05-05-2025	Mock Test -4 (Book I and II)	3 pm

06-05-2025	**Mock Test -5 (Book I and II)**	**3 pm**

4. **Comprehensive Coverage:**
- **Our Test Series covers the entire CUET 2025 Biology syllabus, ensuring that students are well-prepared for any question that may appear in the exam.**
- **Test includes topics from Biology Class 12th.**
5. **AI-Based Test Series Analysis: Harnessing the power of artificial intelligence, our test series analysis goes beyond conventional assessments. Receive personalized insights, performance metrics, and tailored feedback to understand your strengths and weaknesses. This data-driven approach allows for strategic refinement of your study plan.**

6. **CUET College Counselling Session: Navigating the college admission process can be overwhelming. At EDUPREPRATOR, we go the extra mile by offering CUET College counselling sessions. Our experienced counsellors provide valuable guidance, helping you make informed decisions about your academic future.**

Embark on your CUET 2025 exam preparation journey with Edupreparator's CUET 2025 Biology Live Classes + Test Series, where excellence is not just a goal but a guarantee. Secure your future with a solid foundation with EDUPREPARATOR –Enroll today!

Biology
Chapter 1 Sexual Reproduction in Flowering Plants
Chapter 2 Human Reproduction
Chapter 3 Reproductive Health
Chapter 4 Principles of Inheritance and Variation

Chapter 5 Molecular Basis of Inheritance
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Chapter and Subtopics of Biology Domains

Chapter 1 Sexual Reproduction in Flowering Plants	· Reproduction in organisms: Reproduction, a characteristic feature of all organisms for the continuation of species; Modes of reproduction –Asexual and sexual; Asexual reproduction; Modes- Binary fission, sporulation, budding, gemmule, fragmentation; vegetative propagation in plants. · Sexual reproduction in flowering plants: Flower structure; Development of male and female gametophytes; Pollination–types, agencies, and examples; Out breeding devices; Pollen-Pistil interaction; Double fertilization; Post fertilization events– Development of endosperm and embryo, Development of seed and formation of fruit; Special modes– apomixis, parthenocarpy, polyembryony; Significance of seed and fruit formation.
Chapter 2 Human Reproduction	· Human Reproduction: Male and female reproductive systems; Microscopic anatomy of testis and ovary; Gametogenesis- spermatogenesis & oogenesis; Menstrual cycle; Fertilisation, embryo development upto blastocyst formation, implantation; Pregnancy and placenta formation (Elementary idea); Parturition (Elementaryidea); Lactation (Elementaryidea).
Chapter 3 Reproductive Health	· Reproductive health: Need for reproductive health and prevention of sexually transmitted diseases (STD); Birth control- Need and Methods, Contraception and Medical Termination of Pregnancy (MTP); Amniocentesis; Infertility and assisted reproductive technologies – IVF, ZIFT, GIFT (Elementary idea for general awareness)
Chapter 4 Principles of Inheritance and Variation	· Heredity and variation: Mendelian Inheritance; Deviations from Mendelism– Incomplete dominance, Co-dominance, Multiple alleles and Inheritance of blood groups, Pleiotropy; Elementary idea of polygenic inheritance; Chromosome theory of inheritance; Chromosomes and genes; Sex determination–In humans, birds, honeybee; Linkage and crossing over; Sex-linked inheritance- Haemophilia, Colour blindness; Mendelian disorders in humans– Thalassemia; Chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndromes.

Chapter 5 Molecular Basis of Inheritance	· Molecular Basis of Inheritance: Search for genetic material and DNA as genetic material ; Structure of DNA and RNA; DNA packaging; DNA replication; Central dogma; Transcription, genetic code, translation; Gene expression and regulation–Lac Operon; Genome and human genome project; DNA fingerprinting.
Chapter 6 Evolution	· Evolution: Origin of life; Biological evolution and evidence for biological evolution (Paleontological, comparative anatomy, embryology, and molecular evidence); Darwin's contribution, Modern Synthetic theory of Evolution; Mechanism of evolution–Variation(Mutation and recombination) and natural Selection with examples, types of natural selection; Gene flow and genetic drift; Hardy-Weinberg's principle; Adaptive Radiation; Human evolution.
Chapter 7 Human Health and Disease	· Health and Disease: Pathogens; parasites causing human diseases (Malaria, Filariasis, Ascariasis, Typhoid, Pneumonia, common cold, amoebiasis, ring worm); Basic concepts of immunology–vaccines; Cancer, HIV and AIDs; Adolescence, drug and alcohol abuse.
Chapter 8 Microbes in Human Welfare	· Microbes in human welfare: In household food processing, industrial production, sewage treatment, energy generation, and as biocontrol agents and biofertilizers.