



Axis Tutorials Pvt. Ltd.

SUBJECTIVE TEST

Class X Biology

Time: 2 Hours

M.M.: 40

1. There are 40 questions in this paper with four sections.
2. Section A carry 1 mark each.
3. Section B carry 2 marks each.
4. Section C carry 3 marks each.
5. Section D carry 5 marks each.
6. No candidates is allowed to carry any textual material, printed or written, bits of papers, pager, mobile phone, any electronic device, etc. inside the examination hall/room.
7. On completion of the test, the candidate must hand over the Answer Sheet and Question booklet as well to the Invigilator on duty in the Room / Hall. Candidates are not allowed to take away this Test Booklet with them.
8. Do not fold or make any stray marks on the Answer Sheet.

Name of Student	
Father's Name	
Roll No.	
Batch/Stream	
Contact No.	
Student's Signature	
Invigilator's Signature	

SECTION A

1. Give an advantage of vegetative propagation.
2. What is evolution?
3. Expand DNA.

SECTION B

4. Differentiate between binary fission and fragmentation?
5. Can you consider cell division as a type of reproduction in unicellular organism? Explain using one example.

6. The process of fragmentation is not true for all multicellular organisms. Give three reasons in support of your answer.
7. What is reproduction? Why it is essential?

SECTION C

8. Name the type of asexual reproduction demonstrated by the following organisms.
- | | |
|--------------|------------------|
| (a) Amoeba | (b) Plasmodium |
| (c) Rhizopus | (d) Spirogyra |
| (e) Planaria | (f) Bryophyllum. |
9. Define the following process of reproduction.
- | | |
|-----------------------|------------------|
| (a) Spore formation | (b) Regeneration |
| (c) Multiple fission. | |
10. Draw a sectional view of human female reproduction system also label it.

SECTION D

11. Describe the process of fertilization in 7-celled 8 nucleated structure with proper diagram.
12. What is the genotypic and phenotypic ratio of the following crosses.
- | | | | |
|-----|---------------|---|----------------|
| (a) | TtSS | × | ttSs |
| | (Tall smooth) | | (Dwarf smooth) |
| (b) | TTss | × | TtSs |
| | (Tall rough) | | (Tall smooth) |