
CBSE SAMPLE PAPER – 07**Class-XI****BIOLOGY (THEORY)****Time: 3 Hrs****MM: 70**

General Instructions

1. The question paper comprises of five Sections A, B, C, D and E.
2. All questions are compulsory.
3. There is no overall choice however; internal choice has been provided in one question of 2 marks, one question of 3 marks and all the two questions of five marks category. Only one option in such question is to be attempted.
4. Questions 1 to 5 in section A are very short questions of one mark each. These are to be answered in one word or one sentence each.
5. Questions 6 to 9 in section B are short questions of two marks each. These are to be answered in approximately 20-30 words each.
6. Questions 10 to 20 in section C are questions of three marks each. These are to be answered in approximately 30-50 words each. Question 21 is of 4 marks.
7. Questions 22 to 23 in section D are questions of five marks each. These are to be answered in approximately 80-120 words each.
8. Questions 24 to 26 in section E is based on OTBA of 10 marks.

Section – A

1. What is corpora quadrigemina?
2. What is tetany?
3. What are hormones?
4. What is meant by equational division?
5. Define hydroponics.

Section – B

6. What are dinoflagellates with examples?
7. What are the criteria essentially of an element?

Or

What is the role of nitrogen and phosphorus in plants?

8. Differentiate karyokinesis and cytokinesis.

9. Mention four distinguishing features of phylum protozoa.

Section – C

10. What are the necessary conditions required by the plants for their growth?

Or

Compare fermentation and aerobic respiration.

11. Differentiate cerebrum and cerebellum.
12. Draw the structure showing axon terminal and synapse.
13. What are the criteria essentially of an element?
14. Define the following
- a) Functional residual capacity.
 - b) Expiratory capacity
 - c) Total lung capacity
15. What is activation energy? What effect does an enzyme have on activation energy?
16. Differentiate afferent neurons and efferent neurons.
17. Explain synovial joints with examples.
18. Give biological name, family, order, class and phylum of – man, housefly, mango and wheat.
19. What is night blindness? What lacks in the eye in this condition? Give one remedy.
20. Differentiate hyperglycemia and hypoglycemia.
21. **Anand a 14 years old boy thinks smoking makes him more energetic and feel like adult and thus more responsible citizen. He tries to smoke when he is with his peer group. His friend Rohit advised him the ill effect of smoking and later Anand quite the smoking.**
- a. What values do you find in Rohit?
 - b. What is the main cause of smoking addiction in young children?
 - c. What are the ill effect of smoking?

Section – D

22. Describe glycolysis.

Or

Schematically represent the inter-relationship among metabolic pathways showing respiration mediated breakdown of different organic molecules to carbon dioxide and water.

23. Draw a labelled diagram of digestive system of frog.

Or

Draw a labelled diagram of digestive system of an earthworm.

Section-E (OTBA) Questions

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| 24. OTBA Question | 2 mark |
| 25. OTBA Question | 3 mark |
| 26. OTBA Question | 5 mark |