

Name of the School: _____

SUMMATIVE ASSESSMENT – I (2026–27)

Class VIII — BIOLOGICAL SCIENCE (General Science – Paper II)

English Medium

Model Question Paper — Set B

Time: 1 Hour 30 Minutes

Max. Marks: 40

Name of the Student: _____ Roll No.: _____

Syllabus covered: What is Science?; Cell – The Basic Unit of Life; The World of Microorganisms (Parts 1 and 2); Reproduction in Animals; Attaining the Age of Adolescence; Biodiversity and its Conservation; Different Ecosystems

Instructions:

1. Part A (30 marks) is to be answered in the answer booklet in the first 1 hour 10 minutes.
2. Section I: Q.1–6 — answer all, 1 mark each. Section II: Q.7–10 — answer all, 2 marks each.
3. Section III: Q.11–14 — each question has internal choice; answer (a) or (b). 4 marks each.
4. Part B (10 marks) is to be answered on the question paper itself in the last 20 minutes.
5. Draw neat, labelled diagrams wherever necessary.

PART – A

Time: 1 Hour 10 Minutes Marks: 30

SECTION – I

Note: Answer ALL the questions. Each question carries 1 mark. ($6 \times 1 = 6$)

1. Who coined the term 'cell'?
2. Why do scientists repeat an experiment several times?
3. What are antibiotics? Give one example.
4. What are viviparous animals? Give two examples.
5. What is puberty?
6. What is deforestation?

SECTION – II

Note: Answer ALL the questions. Each question carries 2 marks. ($4 \times 2 = 8$)

7. Write the functions of chloroplasts and vacuoles in a plant cell.
8. How do microorganisms help in increasing the fertility of the soil?
9. What is cloning? Name the first mammal to be cloned.
10. What are flora and fauna? Give two examples of each.

SECTION – III

Note: Answer ONE question (a or b) from each of Q.11 to 14. Each question carries 4 marks. ($4 \times 4 = 16$)

11. (a) Draw a neat labelled diagram of an animal cell.

OR

(b) Write any four differences between a plant cell and an animal cell.

12. (a) Explain how microorganisms cause diseases in human beings, animals and plants, with two examples each.

OR

(b) What is fermentation? Describe an activity to show the role of yeast in fermentation.

13. (a) Explain asexual reproduction in Hydra and Amoeba with neat diagrams.

OR

(b) What are endocrine glands? Explain the role of any three hormones during adolescence.

14. (a) What is an ecosystem? Explain its biotic and abiotic components with examples.

OR

(b) Explain the causes and effects of deforestation. Suggest any four measures to conserve forests.

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PART – B

Time: 20 Minutes

Marks: 10

I. Multiple Choice Questions

Choose the correct answer and write its letter in the bracket. ($5 \times 1 = 5$)

1. The cell organelle where photosynthesis takes place is the []
(A) mitochondria (B) chloroplast (C) nucleus (D) vacuole
2. Penicillin was discovered by []
(A) Louis Pasteur (B) Alexander Fleming
(C) Robert Hooke (D) Edward Jenner
3. The frog is an example of a/an []
(A) viviparous animal (B) oviparous animal
(C) mammal (D) reptile
4. The 'Adam's apple' is the enlarged []
(A) pharynx (B) larynx (C) thyroid (D) trachea
5. Project Tiger was launched in India in []
(A) 1947 (B) 1973 (C) 1986 (D) 2001

II. Fill in the Blanks

($5 \times 1 = 5$)

6. The basic structural and functional unit of life is the _____.
7. The conversion of sugar into alcohol by yeast is called _____.
8. The young one of a frog is called a _____.
9. Glands that secrete hormones directly into the blood are called _____ glands.
10. Organisms that make their own food are called _____.

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