

Name of the School: _____

SUMMATIVE ASSESSMENT – I (2026–27)

Class VII — GENERAL SCIENCE

English Medium

Model Question Paper — Set B

Time: 2 Hours 45 Minutes

Max. Marks: 80

Name of the Student: _____ Roll No.: _____

Syllabus covered: Ch. 1 Food Components, Ch. 2 Acids and Bases, Ch. 3 Silk – Wool, Ch. 4 Motion and Time, Ch. 5 Heat – Measurement, Ch. 6 Weather and Climate, Ch. 7 Electricity – Current and its Effects, Ch. 8 Air, Winds and Cyclones

Instructions:

1. Part A (60 marks) is to be answered in the answer booklet within the first 2 hours 15 minutes.
2. Section I: Q.1–6 — answer all, 2 marks each. Section II: Q.7–12 — answer all, 4 marks each.
3. Section III: Q.13–16 — each question has internal choice; answer (a) or (b). 6 marks each.
4. Part B (20 marks) is to be answered on the question paper itself in the last 30 minutes.
5. Draw neat, labelled diagrams wherever necessary.

PART – A

Time: 2 Hours 15 Minutes

Marks: 60

SECTION – I

Note: Answer ALL the questions. Each question carries 2 marks. ($6 \times 2 = 12$)

1. What is roughage? Why is it needed in our diet?
2. Name the acids present in (i) lemon and (ii) curd.
3. What is shearing?
4. What is uniform motion? Give one example.
5. What is temperature?
6. What is humidity?

SECTION – II

Note: Answer ALL the questions. Each question carries 4 marks. ($6 \times 4 = 24$)

7. Name the disease caused by the deficiency of proteins. Write any two of its symptoms.
8. Why does a farmer add quick lime or slaked lime to his field? Explain.
9. A boy walks 1.2 km from his home to school in 20 minutes. Find his speed in metres per second.
10. Write any two differences between silk and wool.
11. Why should we not hold a clinical thermometer by its bulb? Why do we give it a jerk before use?
12. Why do people living near the sea feel a cool breeze during summer afternoons?

SECTION – III

Note: Answer ONE question (a or b) from each of Q.13 to 16. Each question carries 6 marks. ($4 \times 6 = 24$)

13. (a) Copy and complete the table.

Nutrient	Main function	One source
Carbohydrates		
Proteins		
Fats		
Vitamins		
Minerals		

OR

(b) What is malnutrition? Name two diseases caused by the deficiency of vitamins and two caused by the deficiency of minerals, with one symptom each.

14. (a) Write any four differences between acids and bases, with two examples of each.

OR

(b) Describe the steps involved in processing fleece into wool: shearing, scouring, sorting, dyeing and making yarn.

15. (a) What is a simple pendulum? Explain with a diagram how you will find its time period.

OR

(b) Explain land breeze and sea breeze with neat diagrams.

16. (a) Draw a circuit diagram using symbols for a cell, a switch and a bulb. Explain what happens when the switch is ON and when it is OFF.

OR

(b) How is the weather forecast made? Name any four instruments used in a weather station and what each one measures.

PART – B

Time: 30 Minutes

Marks: 20

I. Multiple Choice Questions*Choose the correct answer and write its letter in the bracket. (10 × 1 = 10)*

1. The deficiency of iodine causes []
(A) anaemia (B) goitre (C) rickets (D) beriberi
2. A rich source of vitamin A is []
(A) carrot (B) rice (C) sugar (D) oil
3. Turmeric turns red in a []
(A) acid (B) base (C) neutral solution (D) salt solution
4. An antacid used for indigestion is a []
(A) acid (B) base (C) salt (D) vitamin
5. The wool-yielding animal found in the Himalayan region is the []
(A) camel (B) yak (C) cow (D) buffalo
6. Speed = []
(A) distance × time (B) time ÷ distance (C) distance ÷ time (D) distance + time
7. Heat always flows from a []
(A) colder body to a hotter body (B) hotter body to a colder body
(C) bigger body to a smaller body (D) solid to a gas only
8. A sea breeze blows during the []
(A) day (B) night
(C) winter only (D) rainy season only
9. Which of the following is a good conductor of electricity? []
(A) rubber (B) plastic (C) copper (D) wood
10. In the USA, a cyclone is called a []
(A) typhoon (B) hurricane (C) tornado (D) monsoon

II. Fill in the Blanks*(5 × 1 = 5)*

11. The deficiency of iron causes _____.
12. Acids turn blue litmus _____.
13. The rearing of silkworms for obtaining silk is called _____.
14. The distance moved by an object in unit time is called its _____.
15. Air moves from a region of high pressure to a region of _____ pressure.

III. Match the Following*Write the correct letter from Group B in the bracket. (5 × 1 = 5)*

No.	Group A		Group B
16.	Kwashiorkor ()	A.	Deficiency of proteins
17.	Lemon ()	B.	Citric acid
18.	Cocoon ()	C.	Silk
19.	Barometer ()	D.	Measures air pressure
20.	Land breeze ()	E.	Blows from land to sea at night
		F.	Sheep

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