

Name of the School: _____

SUMMATIVE ASSESSMENT – I (2026–27)

Class VII — GENERAL SCIENCE

English Medium

Model Question Paper — Set A

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. Name any two foods rich in proteins.
2. What is an indicator? Name one natural indicator.
3. What is sericulture?
4. Define speed. Write its SI unit.
5. What is the normal temperature of the human body?
6. What is weather?

SECTION – II

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

7. What are deficiency diseases? Name the diseases caused by the deficiency of (i) vitamin C and (ii) iodine.
8. What is neutralisation? Give one example from daily life.
9. A car covers 180 km in 3 hours. Find its speed. What is meant by the time period of a simple pendulum?
10. Why do we wear woollen clothes in winter?
11. Write any two differences between a clinical thermometer and a laboratory thermometer.
12. What is a cyclone? Write any two safety measures to be taken when a cyclone warning is given.

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) Describe how you will test a food item for the presence of (i) starch (ii) proteins (iii) fats.

OR

(b) What is a balanced diet? Why is it necessary? Name the components of food with one source for each.

14. (a) Describe an activity to find out whether a given solution is acidic, basic or neutral using litmus paper and turmeric.

OR

(b) Explain the life cycle of the silkworm and the steps involved in obtaining silk from cocoons. Draw a neat diagram.

15. (a) The distance travelled by a bus at different times is given below. Draw a distance–time graph and write what the graph tells you about the motion of the bus.

Time (hours)	0	1	2	3	4
Distance (km)	0	40	80	120	160

OR

(b) Explain conduction, convection and radiation with one example each from daily life.

16. (a) What is the heating effect of electric current? Write any two of its applications. What is an electric fuse and why is it used?

OR

(b) Describe an activity to show that air expands on heating and that hot air rises. Draw a diagram.

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 vitamin D causes []
(A) scurvy (B) rickets (C) goitre (D) night blindness
2. Acids taste []
(A) sweet (B) bitter (C) sour (D) salty
3. Litmus is obtained from []
(A) turmeric (B) lichens (C) china rose (D) beetroot
4. Silk fibre is obtained from the []
(A) egg (B) larva (C) cocoon (D) moth
5. The SI unit of speed is []
(A) km/h (B) m/s (C) m (D) s
6. The time taken by a pendulum to complete one oscillation is its []
(A) speed (B) time period (C) distance (D) amplitude
7. The range of a clinical thermometer is []
(A) 0 °C to 100 °C (B) 35 °C to 42 °C (C) –10 °C to 110 °C (D) 20 °C to 50 °C
8. In solids, heat is transferred mainly by []
(A) conduction (B) convection (C) radiation (D) evaporation
9. The instrument used to measure rainfall is the []
(A) barometer (B) thermometer (C) rain gauge (D) anemometer
10. The filament of an electric bulb is made of []
(A) copper (B) iron (C) tungsten (D) aluminium

II. Fill in the Blanks*(5 × 1 = 5)*

11. Carbohydrates and fats are called _____ foods.
12. Bases turn red litmus _____.
13. The hair of sheep from which wool is made is called _____.
14. The average weather of a place over many years is called its _____.
15. Moving air is called _____.

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

No.	Group A		Group B
16.	Scurvy ()	A.	Deficiency of vitamin C
17.	Vinegar ()	B.	Acetic acid
18.	Speedometer ()	C.	Measures the speed of a vehicle
19.	Thermometer ()	D.	Measures temperature
20.	Anemometer ()	E.	Measures wind speed
		F.	Measures rainfall

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