SET 2 **MODEL QUESTION PAPER** BS-7/2

SECOND TERM SUMMATIVE ASSESSMENT 2026-27

BASIC SCIENCE

Class : 7 **Time : 2 Hrs 15 Minutes**

Instructions

- 15 minutes cool-off time is allotted for reading and understanding the activities.
- Answer all six questions.
- Questions 3 and 4 have two parts (A & B). Answer any one of them.

1.

a) Which part of the digestive system absorbs most of the digested food?

A. Stomach B. Large intestine C. Small intestine D. Food pipe

b) Complete the table showing digestive juices and the organs that produce them.

Digestive juice	**Organ that produces it**
Saliva	A. .....
B.	Liver
Pancreatic juice	C. .....
Hydrochloric acid	D. .....

c) Milk teeth and permanent teeth are different. Write two differences.

2. a) You are given a battery, a torch bulb and connecting wires. How will you make a simple circuit to test whether a material is a conductor or an insulator? Explain with steps.

b) Statement – Metals are good conductors of electricity.

Reason – Copper is used to make electric wires.

A. Statement is correct and reason is wrong.

B. Statement and reason are wrong.

C. Statement is wrong and reason is correct.

D. Statement and reason are correct.

c) Why should we never touch a switch with wet hands?

3. Question 3 has two parts 3 (A) & 3 (B). Write either 3 (A) or 3 (B).

3. (A)

a) Classify the objects into transparent, translucent and opaque.

(Glass slab, cardboard, butter paper, clear water, wooden plank, frosted glass)

b) Complete the table showing the angle between two plane mirrors and the number of images formed.

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Angle between mirrors	Number of images
90°	A. .....
60°	B. .....
C.	11
45°	D. .....

c) Which device uses multiple reflection to form beautiful patterns?

OR

3. (B)

a) The word "AMBULANCE" is written in reverse on the front of an ambulance. What property of a plane mirror is used here? How does it help?

b) In regular reflection, the angle of incidence is 35°. What is the angle of reflection?

A. 55° B. 35° C. 70° D. 90°

c) Distinguish between regular reflection and diffused reflection with one example each.

4. Question 4 has two parts 4 (A) & 4 (B). Write either 4 (A) or 4 (B).

4. (A)

a) Raju says "We breathe in only oxygen and breathe out only carbon dioxide." Do you agree? Explain.

b) Why is it better to breathe through the nose than through the mouth?

c) Which of the following is a respiratory disease?

A. Asthma B. Night blindness C. Scurvy D. Rickets

OR

4. (B)

a) A child asks: "Teeth are the hardest part of our body. Then why do they decay?" Explain.

b) Write two habits that help to keep our teeth healthy.

c) Which teeth are well developed in a lion? Why?

5. A tightly fitted metal lid of a glass bottle can be opened easily after keeping it in hot water for some time.

a) Explain the reason.

b) Classify the following into good conductors and poor conductors of heat and give suitable headings.

(Aluminium, wood, copper, plastic, iron, cotton cloth, bakelite, silver)

c) Why are the handles of cooking vessels made of wood or bakelite?

6.

a) Name the double layered membrane that covers the heart.

A. Pleura B. Pericardium C. Meninges D. Diaphragm

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b) Complete the table.

Blood vessel	**Peculiarity**
Artery	A. .....
Vein	B. .....
Capillary	C. .....

c) Doctors check the pulse of a patient. What does the pulse indicate? Where can we feel it easily?

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