



BCM SCHOOL, BASANT AVENUE, DUGRI
CLASS- IV SESSION 2025-26
SCIENCE -PAPER PATTERN ASSIGNMENT

DATE-09.09.25

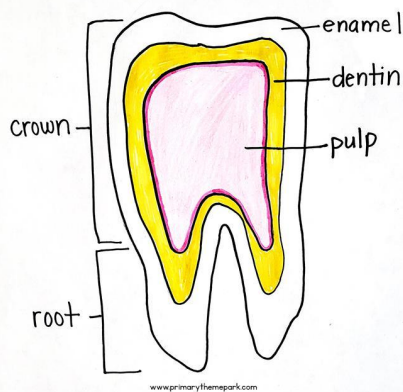
A	MCQ	
<p>1</p> <p>2</p> <p>3</p> <p>4</p>	<p>The waste product removed by the lungs is:</p> <p>a) Urine b) Carbon dioxide ✓ c) Sweat</p> <p>The organ where food is churned and mixed with digestive juices is:</p> <p>a) Liver b) Mouth c) Stomach ✓</p> <p>When two liquids can be mixed to form a solution, they are said to be:</p> <p>a) filtration b) immiscible c) miscible ✓</p> <p>The most abundant gas in air is:</p> <p>a) Nitrogen ✓ b) Oxygen c) Helium</p>	
B	ASSERTION /REASON	
	<p>i) Both A and R are correct. ii) Both A and R are incorrect. iii) A is correct but R is incorrect. iv) A is incorrect but R is correct.</p>	
5	<p>ASSERTION – Air is a mixture of gases. REASON – Oxygen is the only gas present in air. ANSWER-A is correct but R is incorrect.</p>	
6	<p>ASSERTION-Canines are flat and help in chewing food REASON – Canines are sharp and used for tearing food. ANSWER- A is incorrect but R is correct.</p>	
C	COMPETENCY BASED QUESTIONS	
7	<p>Anita eats a sandwich. She notices that the bread is chewed in her mouth, then it goes down into her stomach, and later nutrients from the food are absorbed in her body .Explain the journey of food through the digestive system and identify the organs involved in digestion. ANSWER Let's follow the journey of food through the digestive system! Step 1 : Mouth</p>	

	<p>The journey starts in the mouth, where Anita's teeth chew the sandwich into small pieces. The saliva in her mouth helps to soften the food and break it down.</p> <p>Step 2: Esophagus</p> <p>When Anita swallows, the food goes down a muscular tube called the esophagus, which carries it to the stomach.</p> <p>Step 3: Stomach</p> <p>In the stomach, the food mixes with special juices that help to break it down further. The stomach churns and mixes the food with these juices for about an hour.</p> <p>Step 4: Small Intestine</p> <p>The partially digested food then moves into the small intestine, where most of the nutrients are absorbed into the bloodstream.</p> <p>Step 5: Large Intestine</p> <p>The remaining waste products then move into the large intestine, where water is absorbed and the waste becomes more solid.</p>	
8	<p>A student mixes sugar in a glass of water and stirs it .She also tries to mix sand in another glass of water, but the sand settles at the bottom . Identify which mixture form a solution and which does not. Suggest one method to separate sand from water.</p> <p>ANSWER-- Sugar in water: Forms a solution</p> <p>- Sand in water: Does not form a solution</p> <p>Separating Sand from Water:</p> <p>To separate sand from water, we can use the method of filtration.</p> <ol style="list-style-type: none"> 1 . Pour the sand-water mixture into a filter paper or a strainer. 2. The water will pass through the filter, leaving the sand particles behind. 3. Collect the sand particles that are left in the filter paper or strainer. 	
D	GIVE ONE WORD ANSWER	
9	Two liquids that can not be mixed to form a solution. Immiscible	
10	The gas in air that extinguishes fire. Carbon dioxide	
11	The process that involves changing a liquid into gas . Evaporation	
E	RECTIFY THE UNDERLINED WORDS IN THE FOLLOWING SENTENCES	
12	The <u>first</u> teeth a person gets are wisdom teeth. LAST	
13	Sweat leaves the body through the <u>ears</u> . SKIN	
14	<u>Premolars</u> help to tear food. CANINES	
F	FILL IN THE BLANKS.	
15	The PULP is the place where each tooth's nerve endings and blood supply are found.	
16	The urine passes from kidneys to the urinary bladder through thin tubes Called URETER	
17	DISTILLATION is the process of obtaining pure liquid from a solution	
G	DEFINE THE FOLLOWING.	

- 18 Enamel **Hard and white substance that covers the tooth.**
 19 Breeze **gentle moving wind**
 20 Filtration **Insoluble solids are separated from a liquid by passing through filter.**

H DRAW AND LABEL

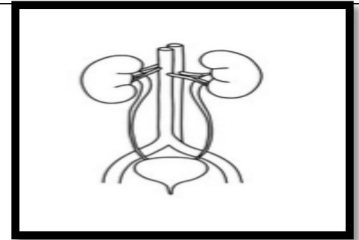
- 21 Draw and label the structure of a human tooth.



I CASE STUDY

Arjun drank a glass of water and noticed that after sometime, he needed to go to the bathroom. His teacher explained that the body removes unwanted substances and waste through a system called the Excretory system. Arjun also learned that the waste through a system called the Excretory system.

Arjun also learned that the waste through a system called the Excretory system. Arjun also learned that the kidneys, urinary bladder, skin, lungs and liver, all help removing waste from the body.



- 22 Which organ filters blood to produce urine?

KIDNEYS

- 23 Where is urine stored before it leaves the body?

URINARY BLADDER

- 24 Name two organs that help to remove waste other than kidneys.

Skin: Removes waste through sweating.

Lungs- Remove carbondioxide.