

Directorate of Education, GNCT of Delhi
Mid Term Examination Practice Paper (Session: 2025-26)
Class:VI ; Subject: SCIENCE (086)

Duration: 2.30 hours

Maximum Marks: 60

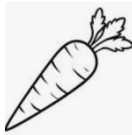
General Instructions:

1. All questions are compulsory.
2. This question paper consist Section A, B, C, D and E. Marks are indicated against each question.
3. Section A (Q.No.1,I-XII) consists of multiple choice questions.
4. Section B (Q.No.2-5) consists of very short answers questions of 2 marks each.
5. Section C (Q.No.6-8) consists of short answer questions of 3 marks each.
6. Section D (Q.No.9-11) consists of long answer questions of 5 marks each.
7. Section E (Q.No.12-15) consists of case based or source based questions having three subparts each.
8. There is no overall choice. However, internal choice is given in some of the questions. Only one of the choices in such questions has to be attempted.

Section A		
Q.No.	Question	Marks
1.	Choose the correct option in Question I-XII.	
I	Which feature helps desert plants store water? A) Fleshy stems B) Long roots C) Large leaves D) Thick bark	1
II	Which animal uses both legs and wings for movement? A) Ant	1

	B) Fish C) Pigeon D) Goat	
III	What helps camels walk in sandy deserts? A) Short legs B) Long legs with wide hooves C) Thin legs D) Small hooves	1
IV	Which nutrient deficiency was common in the Himalayan region during the 1960s? A) Vitamin C B) Protein C) Iodine D) Vitamin D	1
V	What happens to Vitamin C when vegetables are cooked at high heat? A) It increases B) It remains the same C) It is lost D) It changes form	1
VI	Which of these is NOT a standard unit of length measurement ? A) Metre B) Handspan C) Centimetre D) Millimetre	1
VII	How can you measure the length of a curved line? A) Using a straight ruler only	1

	B) Using a flexible thread or measuring tape C) By estimating with handspans D) It cannot be measured	
VIII	When is an object said to be in motion? A) When it is moving fast B) When its position changes with respect to a reference point with time C) When it changes colour D) When it moves in circles	1
IX	What is the term for materials that cannot be seen through? A) Transparent B) Translucent C) Opaque D) Lustrous	1
X	What percentage of the Earth's surface is covered by water? A) One-third B) Two-thirds C) Half D) Three-quarters	1
XI	Which of the following is a non-renewable resource? A) Air B) Water C) Coal D) Forests	1
XII	What is rainwater harvesting? A) Collecting rainwater for later use B) Using rainwater for washing clothes C) Allowing rainwater to flow into rivers	1

	D) Using rainwater for swimming pools	
Section B		
2.	<p>What are the two main categories of habitats for grouping animals? Give one example of each.</p> <p style="text-align: center;">OR</p> <p>Explain how the following animals are adapted to their environments:</p> <p>a) Hot desert camel</p> <p>b) Cold desert camel</p>	2
3.	Define Food miles. What is the significance of food miles?	2
4.	Write any two differences between transparent and translucent objects.	2
5.	<p>Why are non-renewable resources considered finite?</p> <p style="text-align: center;">OR</p> <p>Write any two differences between Renewable and Non-renewable resources.</p>	2
Section C		
6.	<p>Ravi's mother maintains a kitchen garden. One day she was digging out carrot from soil. She told Rahul that carrot is a kind of root. What type of root is carrot?</p> <div style="text-align: center;">  </div> <p>What type of venation would you observe in the leaves of carrot plant? Give one more example of similar root.</p> <p style="text-align: center;">OR</p> <p>Write any three differences between Monocotyledons and Dicotyledons.</p>	3

7.	What is a balanced diet? Why do nutritional requirements vary from person to person?	3										
8.	List three activities that are possible due to presence of air. OR Explain two ways in which human activities pollute air. Propose one action which can help in reducing air pollution.	3										
Section D												
9.	Complete the given sentences (Choose from the options given) i. The SI unit of length is _____ (metre/kilometer). ii. One kilometer equals _____ (100/1000) metres. iii. When an object moves to and fro about a fixed position, its motion is called _____ (circular/oscillatory). iv. A _____ measuring tape is more suitable for measuring the girth of a tree. (broken/flexible) v. The motion of a merry-go-round is an example of _____ motion. (linear/circular)	5										
10.	Match the Columns <table><tr><th>Column A</th><th>Column B</th></tr><tr><td>1. Transparent material</td><td>A. Wood</td></tr><tr><td>2. Opaque material</td><td>B. Glass</td></tr><tr><td>3. Lustrous material</td><td>C. Steel</td></tr><tr><td>4. Soft material</td><td>D. Sponge</td></tr></table>	Column A	Column B	1. Transparent material	A. Wood	2. Opaque material	B. Glass	3. Lustrous material	C. Steel	4. Soft material	D. Sponge	5
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1. Transparent material	A. Wood											
2. Opaque material	B. Glass											
3. Lustrous material	C. Steel											
4. Soft material	D. Sponge											

	5. Hard material	E. Stone	
11.	<u>Attempt either (I) or (II)</u> (I). a) Define nutrients and list their major types. b) Why are we advised to include fruits and vegetables in our daily diet? <p style="text-align: center;">OR</p> (II).a) Name any three vitamins and their natural sources b) Explain why some vegetables lose nutrients during cooking.		(3+2)=5
Section E			
12.	Dr. Raghu and Maniram Chacha took students for a nature walk after rain. They observed various plants and animals, including birds with unique chirps. The students noticed different features of plants in their surroundings based on their stem, leaves, seeds, etc. (a) Name any two groups of plants based on their height and type of stem. (b) Categorise the given plants in the groups based on their stem – Mango and Rose. <u>Attempt either (c) or (d).</u> (c) Define climbers. How are they different from creepers? <p style="text-align: center;">OR</p> (d) Compare the stem and leaf arrangement of Tulsi and common grass.		4
13.	Students of a school are going for an excursion to study different plants and animals in a bus. Students from another		4

	<p>class observe the passengers in the moving bus from outside the bus.</p> <p>a) Are the passengers in motion with respect to each other?</p> <p>b) Are the passengers in motion with respect to trees outside?</p> <p><u>Attempt either (c) or (d).</u></p> <p>c) What is the importance of a reference point in determining motion?</p> <p>OR</p> <p>d) What type of motion does bus show while moving on a straight road? Define it.</p>	
14.	<p>Ghulan's mother made shikanji by mixing sugar, salt, and lemon juice in water. Ghulan observed that sugar and salt disappeared in the water.</p> <p>a) Why did the sugar and salt disappear in the water?</p> <p>b) What does this tell us about the solubility of sugar and salt?</p> <p><u>Attempt either (c) or (d).</u></p> <p>c) Would sand behave the same way in water? Why or why not?</p> <p>OR</p> <p>d) Name two gases which are present in water.</p>	4
15.	<p>Our country is blessed with numerous rivers, streams and lakes. They are all sources of fresh water. Yet we have a major scarcity of clean water as the water is continuously being polluted.</p> <p>a) What is water pollution?</p>	4

	<p>b) Name any one human activity that lead to water pollution.</p> <p><u>Attempt either (c) or (d).</u></p> <p>c) Define Rain water harvesting.</p> <p>OR</p> <p>d) Write any two ways by which you can reduce wastage of water.</p>	
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