

Directorate of Education, GNCT of Delhi
Annual 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.	From Question I-XII , choose the correct option.	
I	The method of arranging things into groups based on their common features is called - A. Diversity B. Branching C. Grouping D. Planting	1
II	Which nutrient helps us grow tall and build strong muscles? A. Carbohydrates B. Fats C. Proteins D. Vitamins	1
III	A balanced diet must include: A. Only fruits and milk B. All nutrients in correct amounts C. Only foods we like D. Mostly junk foods	1
IV	Which of the following shows movement in plants? A. Running B. Breathing C. Opening and closing of flowers D. Eating food	1
V	Formation of dew on grass in the early morning is an example of: A. Melting	1

	B. Condensation C. Evaporation D. Freezing	
VI	When water is cooled below 0°C, it changes into: A. Steam B. Ice C. Water vapour D. Clouds	1
VII	Which method is used to separate pebbles from sand? A. Filtration B. Winnowing C. Handpicking D. Sieving	1
VIII	Salt is obtained from seawater by: A. Handpicking B. Decantation C. Evaporation D. Sieving	1
IX	A student is given a mixture of chalk powder , salt , and water . She wants to recover both chalk powder and salt separately . Which of the following is the correct sequence of methods? A. Sieving → Evaporation → Filtration B. Filtration → Evaporation C. Sedimentation → Distillation → Filtration D. Filtration → Sieving	1
X	The needle of the magnetic compass rests along ____ direction. A. N-S B. S-N C. E-W D. W -E	1
XI	Which device is used to measure temperature? A. Barometer B. Thermometer C. Hygrometer D. Odometer	1
XII	SI unit of temperature is - A. Kelvin B. Celsius C. Fahrenheit D. none of the above	1

Section B		
2.	<u>Attempt either (A) or (B)</u> A. Write two differences between Monocotyledons and Dicotyledons plants. OR B. What type of root is Radish? What type of venation is found in the leaves of Radish plant?	2
3.	Convert the following – (a) 3km to m (b) 549m to cm	2
4.	<u>Attempt either (A) or (B)</u> A. Differentiate between Transparent and Opaque objects. OR B. Define matter. What is the SI unit of mass?	2
5.	<u>Attempt either (A) or (B)</u> A. Define Habitat. Name any two types of habitat. OR B. Write any two different features of camel of hot desert from that of camel of cold desert.	2
Section C		
6.	<u>Attempt either (A) or (B)</u> A. Rahul has shortness of breath and always feels weak. The doctor tested his blood sample and prescribed a Mineral supplement. He also advised him to include a few food items in her diet. i. Which deficiency disease is he suffering from? ii. Which food component may be lacking in his diet? iii. Suggest some food items that he should include in his diet to overcome this problem. OR B. Why is it important to chew food properly while eating mindfully? Mention any two clean eating habits that keep us healthy.	3
7.	Explain the term rectilinear motion, circular motion, and periodic motion with one example each.	3
8.	<u>Attempt either (A) or (B)</u> A. What are magnetic and non-magnetic materials? Give examples of each. OR B. Describe how a magnet can lose its magnetism. Mention any three conditions.	3
Section D		
9.	Complete the given sentences .Choose from the options given- Fossil fuel, Petrol, Solar energy, Rain harvesting, Air, Liquid	5

	<div>i. A fuel that is commonly used in cars is _____.</div> <div>ii. An example of renewable resource is _____.</div> <div>iii. Petroleum and coal are commonly called _____.</div> <div>iv. Collecting rain water and storing it in large quantities is called _____.</div> <div>v. _____ is a mixture of gases.</div>													
10.	<div>Match the Columns</div> <table><tr><th>Column A</th><th>Column B</th></tr><tr><td>1. Freezing</td><td>A. Formation of fog</td></tr><tr><td>2. Water cycle</td><td>B. Water to ice</td></tr><tr><td>3. Condensation</td><td>C. Continuous circulation of water in nature</td></tr><tr><td>4. Humidity</td><td>D. Cooling of water vapour at high altitude</td></tr><tr><td>5. Clouds</td><td>E. Amount of water in air</td></tr></table>	Column A	Column B	1. Freezing	A. Formation of fog	2. Water cycle	B. Water to ice	3. Condensation	C. Continuous circulation of water in nature	4. Humidity	D. Cooling of water vapour at high altitude	5. Clouds	E. Amount of water in air	5
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11.	<div><u>Attempt either (I) or (II)</u></div> <div>(I).a) What is a satellite?</div> <div>b) Differentiate between natural and artificial satellites</div> <div>OR</div> <div>(II).a) What is the Solar System? Name any four bodies that are part of it.</div> <div>b) Why is the Sun considered the centre of the Solar System?</div>	5												
Section E														
12.	<div>A fish, a cow, and a bird are kept under observation. The fish swims in water, the cow breathes through nostrils, and the bird lays eggs to reproduce. All three need food to stay alive, but their ways of living are different.</div> <div>a) Which characteristic of living organisms is shown by a <i>bird laying eggs</i>?</div> <div>b) How does the fish show movement?</div> <div><u>Attempt either (c) or (d).</u></div> <div>c) Mention one similarity shared by all three organisms in the case.</div> <div>OR</div> <div>(d) Define stimulus.</div>	4												
13.	A student performs an experiment with different materials to	4												

	<p>check if they dissolve in water. She adds sugar, sand, salt, oil and chalk powder into separate glasses of water and stirs them.</p> <p>(a) Which two materials given above will dissolve in water?</p> <p>(b) Which two materials given above will not dissolve in water?</p> <p><u>Attempt either (c) or (d).</u></p> <p>(c) What is the term used for substances that dissolve in water?</p> <p>OR</p> <p>(d) Name two gases found dissolved in water.</p>	
14.	<p>Meena and her mother are cleaning grains in the kitchen. They notice that the wheat contains small stones and husk. Meena's mother first removes the stones by hand. Then she pours the wheat slowly in front of a fan, which blows away the lighter husk.</p> <p>a) Which method is used by Meena's mother to remove stones from wheat?</p> <p>b) Name the method used to remove husk from wheat.</p> <p><u>Attempt either (c) or (d).</u></p> <p>c) Why does the husk fly away while wheat grains fall straight down?</p> <p>OR</p> <p>d) Give one more example where the same method can be used.</p>	4
15.	<p>A weather station recorded the following temperatures on a winter day:</p> <ul style="list-style-type: none"> • Morning: 12°C • Afternoon: 19°C • Evening: 14°C • Night: 10°C <p>Aarav observes that the afternoon is the warmest part of the day.</p> <p>a) Which of the above readings shows the lowest temperature?</p> <p>b) How much does the temperature increase from morning to afternoon?</p> <p><u>Attempt either (c) or (d).</u></p> <p>c) Which device is used to measure air temperature in weather stations?</p> <p>OR</p> <p>d) What is the normal human body temperature in °C?</p>	4