

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

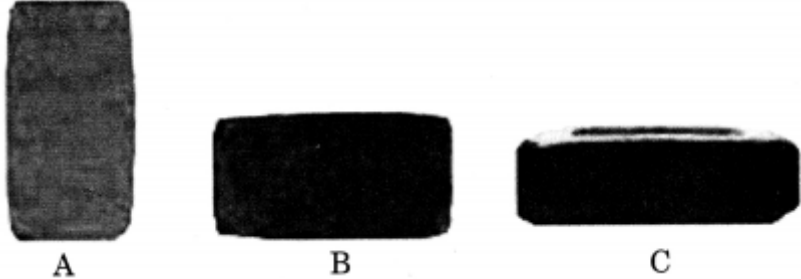
Duration: 2.30 hours

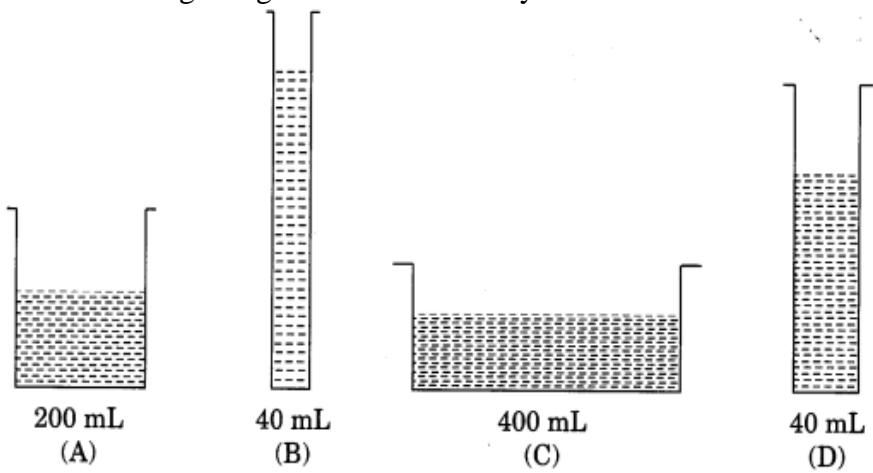
Maximum Marks: 60

General Instructions:

1. All questions are compulsory.
2. This question paper consist Section A, B,C,Dand 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 ofvery 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.	Read the questions from I-XII and choose the correct answer from the given options:	
I	Which of the following is a non-renewable source of energy? (a) Water (b) Coal (c) Soil (d) Sun	1
II	The process of conversion of wood into coal is called (a) carbonisation (b) forestation (c) coal mining (d) refining	1
III	The unwanted plants that grow along with the crops are called (a) shrubs (b) rabi crops (c) weeds (d) kharif crops	1
IV	Which of the following is an example of rabi crop? (a) Potato (b) Onion (c) Jute (d) Pulses	1
V	Watering the crops is called– (a) sowing (b) manuring (c) tilling (d) irrigation	1

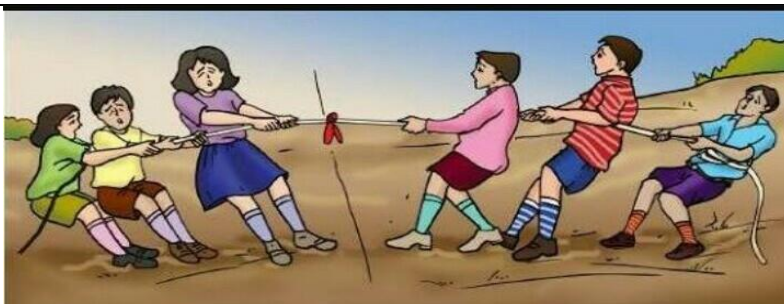
VI	<p>The process of conversion of sugar into alcohol is called</p> <p>(a) Fermentation (b) Decomposition (c) Nitrogen Fixation (d) Nitrification</p>	1
VII	<p>Name the process undertaken by plants for preparing their own food.</p> <p>(a) Respiration (b) Photosynthesis (c) Transpiration (d) Translocation</p>	1
VIII	<p>A brick is kept in three different ways on a table as shown in given figure. The pressure exerted by the brick on the table will be</p>  <p>(a) maximum in position A (b) maximum in position C (c) maximum in position B (d) equal in all cases</p> <p><u>FOR VISUALLY IMPAIRED STUDENTS</u></p> <p>During dry weather, while combing hair, sometimes we experience hair flying apart. The force responsible for this is</p> <p>(a) force of gravity (b) force of friction (c) electrostatic force (d) magnetic force</p>	1
IX	<p>The force exerted by our muscle is called</p> <p>(a) electrostatic force (b) muscular force (c) gravitational force (d) non-contact force</p>	1
X	<p>Force acting on per unit area is called</p> <p>(a) non-contact forces (b) contact forces (c) force (d) pressure</p>	1
XI	<p>Fluids are</p> <p>(a) liquids (b) gases (c) both (a) and (b) (d) liquids,gases and solids</p>	1
XII	<p>If we apply oil on door hinges, the friction will</p> <p>(a) increase</p>	1

	(b) decrease (c) disappear altogether (d) will remain unchanged	
Section B		
2.	Why is it advisable to wash fruits and vegetables before using them?(write any two points) OR Differentiate between fertilizers and manure. (write any two points)	2
3.	How can we prevent the following diseases (a) Dengue (b) Cholera	2
4.	(a) Burning of coal in air produces which gas? (b) Which petroleum product is used as a solvent for dry cleaning?	2
5.	Write the full form of (a) LPG (b) CNG	2
Section C		
6.	You spill a bucket of soapy water on a marble floor accidentally. Would it make it easier or more difficult for you to walk on the floor? Why? OR How can friction between two surfaces be reduced?(write any three points)	3
7.	(a) Name any two antibiotics. (b) Dry food items like biscuits do not spoil easily. Why? (c) Name any two food items prepared by using yeast. OR (a) What are microorganisms? (b) Name the four major groups of microorganisms. (c) How are viruses different from other microbes?	3
8.	<p>Observe the figures given below carefully.</p>  <p>200 mL (A) 40 mL (B) 400 mL (C) 40 mL (D)</p> <p>Volume of water in each vessel is shown above.</p> <p>(a) Arrange them in order of decreasing pressure at the base of each vessel. (b) Explain the reason for difference in pressure at the base of each</p>	3

	<p>vessel.</p> <p>(c) Do gases also exert pressure on the walls of the container in which they are kept?</p> <p><u>FOR VISUALLY IMPAIRED STUDENTS</u></p> <p>(a) Define pressure?</p> <p>(b) Why is it comfortable to lift a school bag with broad straps than thin straps?</p>	
Section D		
9.	<p>Fill in the blanks with suitable word/s.</p> <p>1. A common weed that grows among the crops is _____.</p> <p>2. _____ is the process of cutting and gathering the ripened crop.</p> <p>3. Leguminous plants fix _____ in the soil.</p> <p>4. Cod liver oil is rich in _____.</p> <p>5. Kharif crops are sown in _____ season.</p>	5
10.	<p>State whether the given statements are true or false.</p> <p>1. Friction is always useful to us.</p> <p>2. Friction can be reduced by using lubricants.</p> <p>3. Friction is dependent on area of contact.</p> <p>4. A soapy floor is slippery due to increased friction.</p> <p>5. Friction always works in opposite direction to the relative motion.</p>	5
11.	<p>(a) Differentiate between wildlife sanctuary and zoo.(write any three points)</p> <p>(b) Write any two causes of the deforestation.</p> <p>OR</p> <p>(a) How can we protect wildlife? Suggest any three ways.</p> <p>(b) What are rare species ?Give two examples also.</p>	5
Section E		
12.	<p>Radhey prefers to go to school by pooling car. On other occasions, he likes to opt for public transport rather than private transport. For short distances, he walks or uses bicycle.</p> <p>(a) What are the benefits of car pooling?</p> <p>(b) Which mean of transport do you think is the best for short distances?</p> <p><u>Attempt either (c) or (d).</u></p> <p>(c) How on our end we can reduce the consumption of fossil fuels?</p> <p>Suggest any two points.</p>	4

	<p>OR</p> <p>(d) Write any two tips advised by PCRA, to save petrol/ diesel while driving.</p>	
13.	<p>Renu observed her grandma preparing mango pickle at home. She put cut pieces of unripe mangoes to two jars and then added a lot of salt and oil to one of the jars, but mistakenly left the other one. Then, she kept the jars in the sun. After a few days, Renu went to see the jars. She found that in one jar there was some growth of microbes. She showed the jar to her grandma. She threw away the contents of that jar.</p> <p>Answer the following questions, based on above information:</p> <p>(a) What are common methods of food preservation? State any two.</p> <p>(b) What would happen if the contents of the jar which had microbes were consumed?</p> <p><u>Attempt either (c) or (d).</u></p> <p>(c) What is Pasteurization?</p> <p>OR</p> <p>(d) Why are salt and oil added to the mango pieces?</p>	4
14.	<p>For centuries human activities such as hunting and encroachment have led to degradation of forests and extinction of many species of plants and animals. Government of India has taken many steps to conserve forests and wildlife. But this movement will not be a success without the involvement of all of us.</p> <p>(a) What products are obtained from forests and wildlife? (Any two)</p> <p>(b) Name an organisation which is working against killing or poaching of animals.</p> <p><u>Attempt either (c) or (d).</u></p> <p>(c) How can we help in conserving forest and wildlife??</p> <p>OR</p> <p>(d) How can you contribute to the maintenance of green wealth of your locality? List two actions to be taken by you.</p>	4

15.



4

A diagram shows two teams playing tug of war. Team A is pulling with a force of 500 N to the left, while Team B is pulling with a force of 450 N to the right.

- (a) What is the net force acting on the rope?
- (b) Which team will win the tug of war? Explain your answer.

Attempt either (c) or (d).

- (c) Give two examples of situations in which applied force cause a change in the direction of motion of an object.

OR

- (d) Give two examples of situations in which applied force cause a change in the shape of an object.

FOR VISUALLY IMPAIRED STUDENTS

Force exerted on per unit area is called pressure. Pressure is related with area on which it is applied. When the area is increased the pressure exerted is less. But when the area on which pressure are exerted decreases, the pressure increases.

(a) Two women are of the same weight. One wears sandals with pointed heels while the other wears sandals with flat soles. Which one would feel more comfortable while walking on a sandy beach?

- (b) Give reason for your answer.

Attempt either (c) or (d).

- (c) A force of 100 N is applied on an area of 4 m². Compute pressure being applied on the area.

OR

- (d) What is atmospheric pressure? Name the instrument used for measuring atmospheric pressure?

