

KOTHARI INTERNATIONAL SCHOOL, NOIDA
TERM END ASSESSMENT, SESSION: 2024-25
GRADE: 8 SUBJECT: SCIENCE
SET A
SECTION B (SUBJECTIVE)

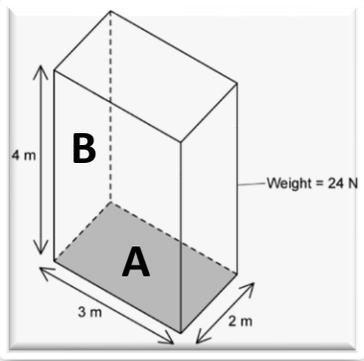
DAY & DATE: 19 FEBRUARY 2025, WEDNESDAY TIME ALLOTTED: 2.30 HOURS
MAXIMUM MARKS: 60 **GRADE/SEC: _____**
NAME: _____ **ROLL NO: _____**

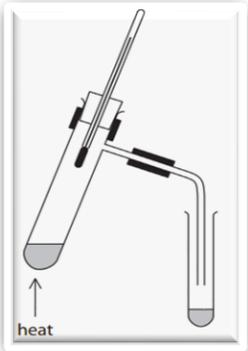
GENERAL INSTRUCTIONS:

- i). *This question paper contains 18 questions. All questions are compulsory.*
- ii). *Section A : Question Nos.1 to 3 which totals up to 13 marks.*
- iii). *Section B : Questions Nos. 4 to 8 carries 2 marks each.*
- iv). *Section C : Questions Nos. 9 to 13 carries 3 marks each.*
- v). *Section D : Questions Nos. 14 to 17 carries 4 marks each and Q18 is of 6 marks..*
- vi). *There is no overall choice. However, an internal choice has been provided in Q12.*

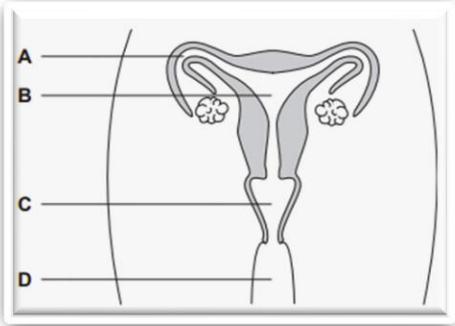
SECTION A		
Q1.	Write True or False. If False, kindly correct the statement. i. For electroplating of copper on an object, the ions play a vital role. ii. Microorganisms are widely used to make alcoholic drinks. iii. Force is a vector quantity.	(6)
Q2.	Unscramble the underlined words to make the meaningful sentence. i. GNIETIL is the hardest coal which contains almost 86% of carbon content. ii. SLTCETTEROIAAC force is the force of attraction or repulsion between two charged particles iii. EKROSNEE is a combustible hydrocarbon liquid which is derived from petroleum. iv. TOYHIRD hormone is the hormone that controls your body's metabolism, the process in which your body transforms the food you eat into energy.	(4)
Q3.	Give reason for the following. i. In case of a fire, before the firemen use the water hoses, they shut off the main electrical supply for the area. ii. In Summers, even when a cooked dish is kept in refrigerator it can be eaten after a day. iii. Electroplating of chromium not only enhances the look but also safeguards the metal on which it has been done.	(1) (1) (1)

SECTION B

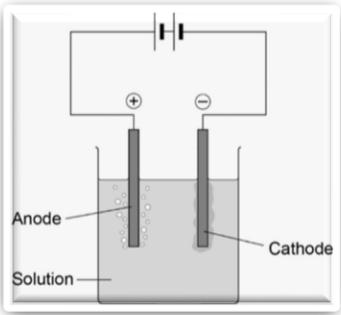
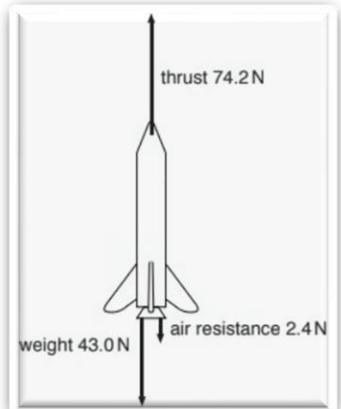
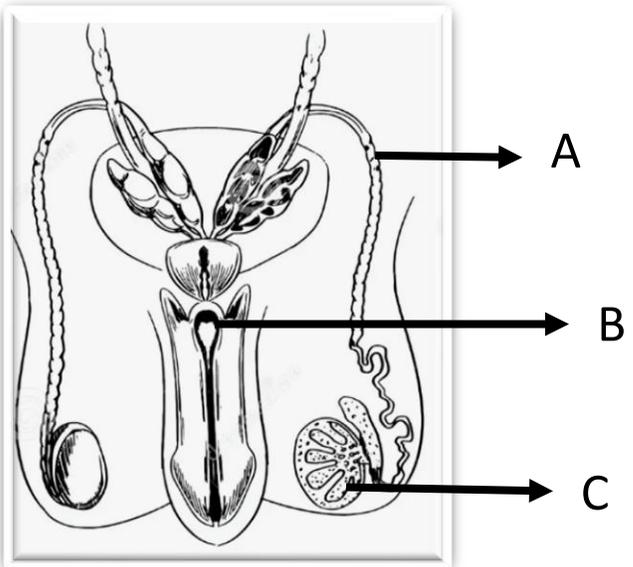
<p>Q4.</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Know your child's vaccination schedule</p> <p>Which vaccines do children need to be given before they turn 16?</p> <p><small>Idhries Ahmad & Jasmeet Singh Gujral</small></p> </div> <p>The above given article is shared by UNICEF. Answer the following questions.</p> <ol style="list-style-type: none"> i. How does vaccination work? ii. Name any 2 vaccines and their purpose in infants' life. 	<p align="right">(1)</p> <p align="right">(1)</p>
<p>Q5.</p>	<p>Answer the following questions.</p> <ol style="list-style-type: none"> i. Microorganisms can be friends and foe to human. Comment. ii. Name two fire extinguishing agents. Give examples to support your answer. 	<p align="right">(1)</p> <p align="right">(1)</p>
<p>Q6.</p>	<p>Jenny and Atal went to Sam Sand Dunes, Jaisalmer. They placed the block on the Sand Dunes in different positions.</p> <p>Jenny placed it with surface A in contact and force applied was 36 N with sand whereas Atal placed it with surface B in contact with sand and force applied 36 N.</p> <p>Calculate the pressure and draw the inference of whose way of placing block on sand will lead it to be at its position for longer time?</p>	 <p align="right">(2)</p>
<p>Q7.</p>	<p>A stationary body is acted upon by a number of forces. State the two conditions which must apply for the body to remain at rest.</p>	 <p align="right">(2)</p>
<p>Q8.</p>	<ol style="list-style-type: none"> i. Identify and classify the microorganism. ii. Is it a friend or foe? Explain. 	 <p align="right">(1)</p> <p align="right">(1)</p>

Q13.	<p>The setup on the right can be used to separate the constituents of coal. The process by which it can be separated is known as process 'X'.</p> <p>i. Name and define process 'X'.</p> <p>ii. Name any two apparatus required for this experiment.</p> <p>iii. Write the reaction (symbolic/word) of process 'X'.</p>		<p>(1)</p> <p>(1)</p> <p>(1)</p>
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SECTION D

Q14.	<p>On the right side, the reproductive system diagram of a person is shown. Answer the following question the basis of the diagram.</p> <p>i. Label A, B, C and D.</p> <p>ii. Which gamete is formed in this system? Name it.</p> <p>iii. Name any two external contraceptives. Where should each one of them be placed?</p>		<p>(1)</p> <p>(1)</p> <p>(2)</p>
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Q15.	<p>Cornelia was one in hundreds of young women who suffered from “phossy jaw” at the turn of the 20th century. In industrial factories, so-called “matchstick girls” were employed to dip wooden sticks into white phosphorus for hours upon end to create “strike-anywhere” matches. But such close proximity to white phosphorous caused their jawbones to deteriorate.</p> <p>If you were to help to form a mixture of white phosphorous with the below given chemicals, answer the following questions.</p> <table border="1" data-bbox="240 1339 1365 1556"> <thead> <tr> <th>S.No</th> <th>Chemical</th> <th>Characteristics</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Antimony trioxide</td> <td>Fumes that were so poisonous</td> </tr> <tr> <td>2</td> <td>Sodium hydroxide</td> <td>Non-combustible</td> </tr> <tr> <td>3</td> <td>Potassium chlorate</td> <td>decomposes during combustions and supplies oxygen to the phosphorous reaction</td> </tr> </tbody> </table> <p>i. Out of the above-mentioned chemical which one should be used on the matchstick head. What can you say about its ignition temperature?</p> <p>ii. Classify the above-mentioned combustion.</p> <p>iii. How is blue flame of matchstick different from yellow flame?</p>	S.No	Chemical	Characteristics	1	Antimony trioxide	Fumes that were so poisonous	2	Sodium hydroxide	Non-combustible	3	Potassium chlorate	decomposes during combustions and supplies oxygen to the phosphorous reaction	<p>(1)</p> <p>(1)</p> <p>(2)</p>
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<p>Q16.</p>	<p>Krishnan, a grade VIII student staying in a coastal region tests the drinking water and also the seawater with his tester. He finds that the magnetic compass needle deflects more in the case of seawater.</p> <ol style="list-style-type: none"> Name the process when electrolysis of salty water when done at Industrial Level. Write one condition which is essential for the above-mentioned process. Write the chemical reaction in symbolic form for the above-mentioned process. 	 <p>(1)</p> <p>(1)</p> <p>(2)</p>
<p>Q17.</p>	<p>Observe the picture on the right.</p> <ol style="list-style-type: none"> Calculate the net force. Why is the tip of the rocket in such way that is observed in picture? Write the two characteristics of fuel that should be used to the rocket reject. 	 <p>(1)</p> <p>(1)</p> <p>(2)</p>
<p>Q18.</p>	<p>Label the part A, B and C and write the function/specialty of part A, B and C.</p> 	<p>(6)</p>