

KENDRIYA VIDYALAYA, LUCKNOW REGION
Session Ending Exam 2022-23

Subject: Science




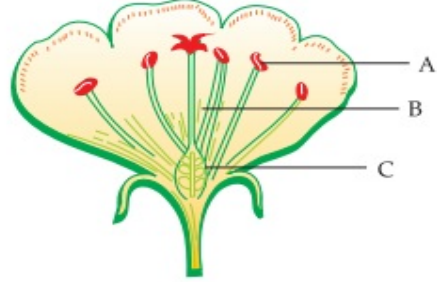



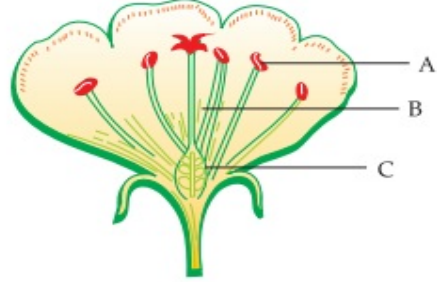



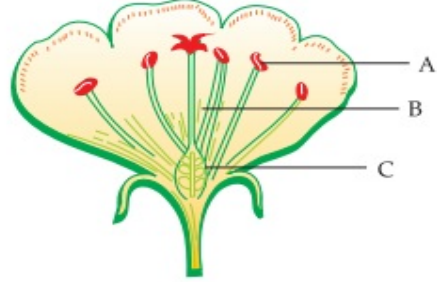
Class VII

Time: 2:30 Hours

Maximum Marks: 60

	<p>General Instructions:</p> <ul style="list-style-type: none"> • The question paper comprises five sections A, B, C D and E. There are 22 questions in the question paper. • All questions are compulsory. There is no overall choice. However, internal choices have been provided in some questions. • Sections–A - question no. 1 to 7 are multiple choice questions (MCQs). • Section–B - question no. 8 to 11 are short answer type questions, carrying 2 marks each. Answers to these questions should in the range of 30 to 50 words. • Section–C - question no. 12 to 15 are short answer type questions, carrying 3 marks each. Answers to these questions should in the range of 50 to 80 words. • Section–D - question no. - 16 to 18 are long answer type questions carrying 5 marks each. Answer to these questions should be in the range of 80 to 120 words. • Section- E – competencies based questions from 19 to 22. 	
	SECTION A	7 M
1	<p>Name the organ in which the urine is stored before it passed out from the body.</p> <p>(A) Kidney (B) Ureter (C) Urinary bladder (D) Urethra</p>	
2	<p>Bryophyllum can reproduce by its:-</p> <p>Stem (B) Leaves (C) Roots D) Flower</p>	
3	<p>The combination of two or more cells is called :-</p> <p>A) Generator (B) Collective cells (C) Battery (D) none of these.</p>	
4	<p>Which of the following relations is correct?</p> <p>(A) Speed = Distance × Time (B) Speed = Distance Time</p> <p>(C) Speed = Time Distance (D) Speed = 1 Distance Time</p>	
5	<p>Full form of MCB is :-</p> <p>(A) Multiple circuit breaker (B) Multiple current breaker</p> <p>(C) Miniature current breaker (D) Miniature circuit breaker</p>	
6	<p>Which of the following statements is not correct?</p> <p>(A) Forests protect the soil from erosion.</p> <p>(B) Plants and animals in a forest are not dependent on one another</p> <p>(C) Forests influence the climate and water cycle.</p> <p>(D) Soil helps forests to grow and regenerate.</p>	
7	<p>A Chemical used to disinfect water :-</p> <p>(A) Chlorine (B) Oxygen</p>	

	(C) Sodium (D) None of these.	
	SECTION B	8 M
8	Distinguish between a Parasite and a Saprophyte	
9	What are the components of blood?	
10	Give reason : Why should oils and fats not be released in drains ?	
11	Name any two effects of electric current.	
	SECTION C	12 M
12	Give a brief description of the process of synthesis of food in green plants..	
13	Draw the diagram of water cycle using the following labels: clouds, rain, atmosphere, carbon dioxide, oxygen, plants, animals.	
14	Explain the role of forest in maintaining the balance between oxygen and carbon di oxide in the atmosphere.	
15	Classify the following as motion along a straight line, circular or oscillatory motion: (i) Motion of your hands while running. (ii) Motion of a horse pulling a cart on a straight road. (iii) Motion of a child in a merry-go-round. (iv) Motion of a child on a see-saw. (v) Motion of the hammer of an electric bell. (vi) Motion of a train on a straight bridge.	
	SECTION D	15 M
16	a. Draw the reproductive parts of a flower . b. Write two differences between Self-pollination and Cross pollination.	
17	Fill in the blanks in the following statements: (a) When carbon dioxide is passed through lime water, it turns milky due to the formation of _____. (b) The chemical name of baking soda is _____. (c) Two methods by which rusting of iron can be prevented are _____ and _____. (d) Changes in which only _____ properties of a substance change are called physical changes. (e) Changes in which new substances are formed are called _____ changes	
18	a) Define Virtual image and Real image . b) What do you understand by the term lateral inversion? c) Write two uses each of concave mirror and convex mirror.	

	SECTION E	18 M												
19	<p>Observe the figure and answer-</p> <table border="1"> <tr> <td>a.gas enters through during photosynthesis</td><td>  <p>Fig. 1.1</p> </td><td>1</td></tr> <tr> <td>b. Various layers of trees in forest is known as.....</td><td>  </td><td>1</td></tr> <tr> <td>c.process is shown in the diagram.</td><td>  </td><td>1</td></tr> <tr> <td> From the given figure – d. Label A _____ e. Label B _____ f. Label c _____ </td><td>  </td><td> 1 1 1 </td></tr> </table>	a.gas enters through during photosynthesis	 <p>Fig. 1.1</p>	1	b. Various layers of trees in forest is known as.....		1	c.process is shown in the diagram.		1	From the given figure – d. Label A _____ e. Label B _____ f. Label c _____		1 1 1	
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20	<p>Plants absorb mineral nutrients and water from the soil. All the water absorbed is not utilized by the plant. The water evaporates through the stomata present on the surface of the leaves by the process of transpiration. The evaporation of water from leaves generates a suction pull which can pull water to great heights in the tall trees. Transpiration also provides cooling to the plant. 2+1+1=4</p> <p>1. Write two functions of stomata.</p> <p>2. The specialized tissues in the plants to translocate food .</p> <p>a) Xylem b) Phloem c) Stem d) Leaves</p> <p>3. In tall trees, which force is responsible for pulling water and Minerals from the soil?</p> <p>a) Gravitation force b) Transportation force c) Suction force d) Conduction force</p>													

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The heating effect of electric current is widely used in our day-to-day life. The electric iron, kettle, toaster, heater, etc. are used as alternatives to the conventional methods of cooking and laundry. The same is used in electric bulbs which is the alternative of conventional lamps. These devices have revolutionized the world over the years.

$$1+1+1+1=4$$

1. Define heating effect of electric current

2. Which of the following device is based on the heating effect of electric current ?

a) Electric bell b) Geyser c) Electric crane d) All of these

3. Name the safety device based on the heating effect of electric current.

4. Which of the following precautions need to be taken while using electric gadgets, appliances or circuit?

Tick the correct option .

a) We should never touch a lighted electric bulb connected to the mains .

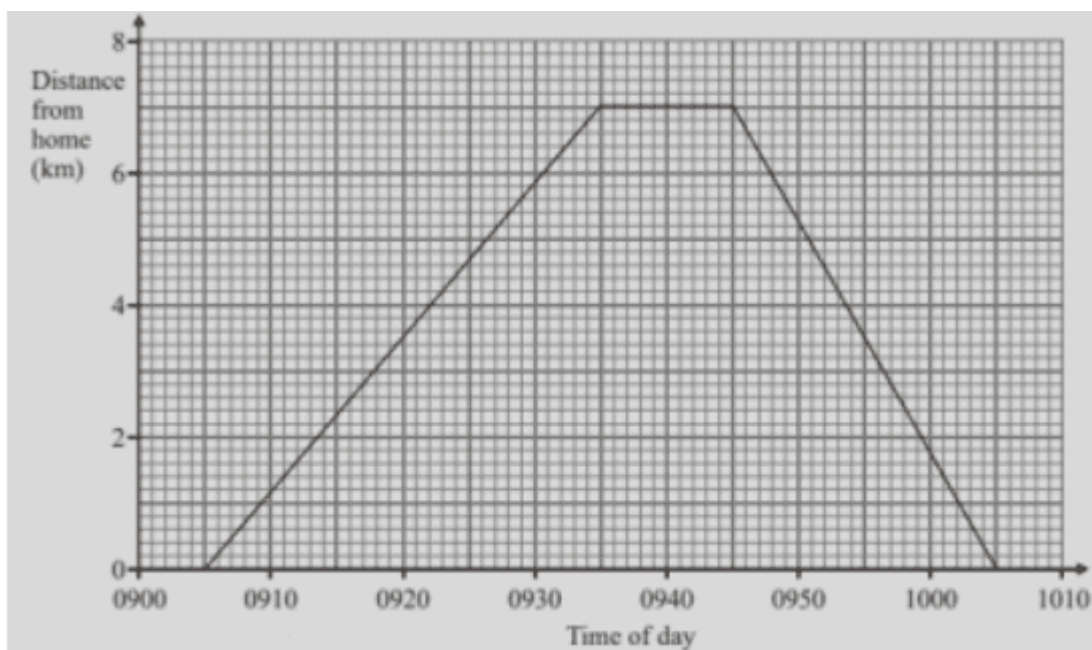
b) We should experiment with the Electric Supply from the mains.

c) We should always turn the switch in on position of an electric gadget even when not in use.

d) We should work with wet hands while dealing with electric appliances.

22

Anil cycled from his home to the park, waited for a while and then returned home.



1. At what time did Anil leave his home?

2. How many minutes did Anil wait in the park?

	<div>3. What is the distance from Anil's home to the park?</div> <div>4. What was Anil's speed in his journey to the park?</div>	
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