

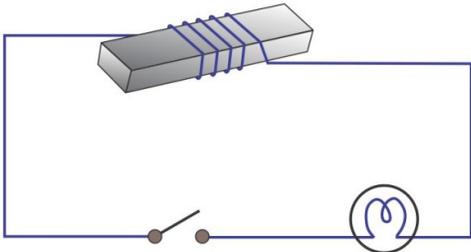
SAMPLE PAPER- PT-4, 2019-20

Class - ..VII.....

Subject- .Science.....

Q.1	<p>Choose the correct answer:</p> <p>(i) The aerobic bacteria can be grown in clarified water a. filtration b. sewage c. aeration d. sedimentation</p> <p>(ii) The first link in all the food chains are a. herbivores b. carnivores c. green plants d. none of these</p> <p>(iii) Which of the following inhibits the seepage of rainwater into ground? a. a pukka floor b. playground c. grass lawn d. forests land</p> <p>(iv) The colour of light which is deviated the least by prism in the spectrum of white light is a. violet b. green c. red d. yellow</p> <p>(v) The coil of wire contained in heater is known as a. circuit b. spring c. component d. element</p>	5												
Q.2	<p>Match the column:</p> <table border="0" style="width: 100%;"><tr><td style="text-align: center;">Column A</td><td style="text-align: center;">Column B</td></tr><tr><td>i. Bread mould</td><td>a. excretion</td></tr><tr><td>ii. Rose</td><td>b. deoxygenated blood</td></tr><tr><td>iii. Kidney</td><td>c. cutting</td></tr><tr><td>iv. Platelets</td><td>d. spores</td></tr><tr><td>v. Veins</td><td>e. blood clotting</td></tr></table>	Column A	Column B	i. Bread mould	a. excretion	ii. Rose	b. deoxygenated blood	iii. Kidney	c. cutting	iv. Platelets	d. spores	v. Veins	e. blood clotting	5
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Q.3	<p>Fill in the blanks:</p> <p>i. Doctors use _____ as a device to amplify the sound of heart.</p> <p>ii. Taking in of air rich in O₂ inside the body is called _____.</p> <p>iii. Excessive use of chemical fertilizers make the soil_____.</p> <p style="text-align: center;">OR</p> <p>Turmeric and litmus are _____ acid-base indicators.</p> <p>iv. All green plants possess_____ in their leaves.</p> <p>v. Bawri was the traditional way of collecting_____.</p>	5												
Q.4	<p>Give one word/one sentence answer for the following:</p> <p>i. Name the reaction when an acid is mixed with base.</p> <p>ii. Define parasites.</p>	5												

	<p>iii. Name the process of seepage of water into ground.</p> <p>iv. In which form the food synthesized by the plants is stored?</p> <p style="text-align: center;">OR</p> <p>Which part of the plant gets carbon-dioxide from the air for photosynthesis?</p> <p>v. Name a device used to measure speed of vehicle.</p>	
Q.5	What is sludge? Explain, how it is treated?	3
Q.6	Explain the factors responsible for the depletion of water table.	3
Q.7	<p>Draw neat and labelled diagram of-</p> <p style="text-align: center;">(a) Reproductive parts of a flower</p> <p style="text-align: center;">Or</p> <p style="text-align: center;">(b) Human Excretory System</p>	3
Q.8	Write three differences between aerobic and anaerobic respiration.	3
Q.9	<p>(i) Name the respiratory organ in cockroaches through which air enters the body.</p> <p>(ii) Why do we often sneeze when we inhale a lot of dust-laden air?</p>	1+2
Q.10	<p>Explain why:</p> <p>(i) An antacid tablet is taken when you suffer from acidity.</p> <p>(ii) Calamine solution is applied on the skin when an ant bites.</p> <p>(iii) Factory waste is neutralised before disposing it into the water bodies.</p>	1+1+1
Q.11	The distance between two stations is 450 km. A train takes 5 h to cover this distance. Calculate the speed of the train.	3
Q.12	Mention tree causes of water scarcity in our country.	3
Q.13	The Eucalyptus trees are planted along sewage ponds. Give reason.	3
Q.14	List six products we get from forests.	3
Q.15	<p>(i) What type of mirror is used as a side mirror in a scooter? Why is this type of mirror chosen?</p> <p>(ii) What is difference between mirror and lens?</p>	5
Q.16	<p>Draw diagram of an electric bell</p> <p>On what principle does an electric bell work?</p>	5
Q.17	<p>(a) What will happen if there are no platelets in the blood?</p> <p>(b) What are stomata? Give two functions of stomata.</p>	5

Q.18	<p>(a) Which type of mirror can form a real image?</p> <p>(b) State four characteristics of the image formed by a plane mirror.</p> <p>(c) Give one use each of a concave and a convex mirror.</p>	5
Q.19	<p>(i) Why should oils and fats be not released in the drain? Explain.</p> <p>(ii) What is sewage? Explain why it is harmful to discharge untreated sewage into rivers or seas.</p> <p style="text-align: center;">Or</p> <p>Describe the steps involved in getting clarified water from wastewater.</p>	5
Q.20	<p>Observe the circuit and attempt the questions that follow it.</p> <div style="text-align: center;">  </div> <p>i) Label the parts (i) and (ii) in the circuit.</p> <p>ii) Define (i) given in the circuit?</p> <p>iii) What is the function of (ii) given in circuit?</p> <p>iv) Name any two effects of electric current?</p>	5