



**INDIAN SCHOOL SOHAR**  
**TERM II EXAMINATION (2018 -19)**  
**SUBJECT: SCIENCE**

CLASS: VII

Max. Marks: 80

DATE: 14 /03/2019

Duration: 3Hrs

**General Instructions:-**

- i. The question paper consists of **30** questions comprising four sections- **A, B, C and D**.
- ii. **All** questions are compulsory.
- iii. Internal choice is given in Sections- **C and D**.
- iv. Question numbers **1 to 5** in Section-**A** are of **one** mark each. These are to be answered in one word or in one sentence.
- v. Question numbers **6 to 15** in Section-**B** are **two** marks each. These are to be answered in about 30 words.
- vi. Question numbers **16 to 25** in Section-**C** are **three** marks each. These are to be answered in about 50 words.
- vii. Question numbers **26 to 30** in Section-**D** are **five** marks each. These are to be answered in about 70 words each.
- viii. There is no overall choice. However an internal choice will be provided in question number 22 and 24 of **3** marks and question number 27 and 28 of **5** marks. Attempt only one of the choices in such questions.

**SECTION-A**

1. Identify any two water borne diseases. 1  
 (a) Cholera (b) Common cold (c) Typhoid (d) Tuberculosis
2. State any two factors on which the amount of heat produced in a circuit depends. 1
3. Name the device used to record the distance covered by a vehicle. 1
4. What would happen if there were no platelets in the blood? 1
5. Give one example of a unisexual and a bisexual flower. 1

**SECTION-B**

6. What happens when baking soda is added to vinegar? Write a word equation for this reaction. 2
7. A car moves at a constant speed of 45 km/h for 3 hours. What is the distance covered by the car? 2
8. Why cooking oil and fats should not be released in the drain? (write two points) 2
9. Name the vegetative parts and the reproductive part of a plant. 2
10. Forests are called the green lungs. Justify. (Write two points) 2
11. List one similarity and one difference between aerobic and anaerobic respiration. 2
12. Teena took two test tubes with lemon juice in test tube 'A' and soap solution in test tube 'B'. She added turmeric powder in both the test tubes. Write the observation she made in both 'A' and 'B' test tubes. 2
13. Name the following:- 2  
 (a) The mirror used in headlights of vehicle.  
 (b) A mirror that forms only virtual image.

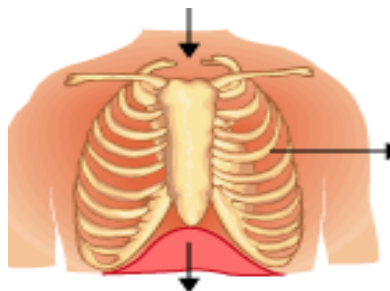
14. (a) Write the principle of working of an electric bell? 2  
(b) Name a device used to close or open an electric circuit.
15. A student burnt a metal 'X'. It burnt with a brilliant white light and a white powdery ash 'Y' is formed. The white powder 'Y' is dissolved in water to get a new substance 'Z' which is basic in nature. 2  
(a) Name X,Y and Z.  
(b) Name the type of change involved in the reaction.

### SECTION-C

16. Write the significance of dispersal of seeds. (Write three points) 3
17. Give one reason for the following:- 3  
(a) Dentists use concave mirrors.  
(b) Convex mirrors are used as side view mirrors in vehicles.  
(c) Light rays can not be seen through a bent pipe.
18. (a) Draw a closed circuit and label the parts. 3  
(b) What is an electric fuse?
19. (a) A car is moving at a speed of 65 km/h. How much time will it take to cover a distance of 130 km? 3  
(b) What is the basic unit of speed?
20. (a) What is neutralisation reaction? Give one example. 3  
(b) Tom was bitten by an ant, his mother immediately applied calamine lotion on the bite. Justify your answer.
21. Define the following terms:- 3  
(a) Aquifer (b) Infiltration (c) Ground water.
22. (a) Why is transpiration important in plants? (Write two points) 3  
(b) Animals such as sponges and Hydra do not need a circulatory fluid like blood. Why? (Write two points)

OR

- (a) What is breathing rate?  
(b) Identify the process shown in the given diagram and explain in three points.



23. State three differences between concave lens and convex lens. 3

24. (a) Write one function of the following. 3

- (i) White blood cells (ii) Pulmonary veins

(b) Why there is a partition between chambers of the human heart?

**OR**

State three functions of blood.

25. (a) Define (i) Speed (ii) Time period 3

(b) What type of motion is illustrated by the bob of a simple pendulum?

**SECTION-D**

26. (a) Write four characteristics of image formed by a plane mirror. 5

(b) What is meant by virtual image?

27. (a) State three factors that lead to depletion of water table. 5

(b) Name any two techniques used by the farmers to save water.

**OR**

(a) Name the scientist who noticed the deflection of compass needle when current was passed through an electric wire.

(b) Define electromagnet.

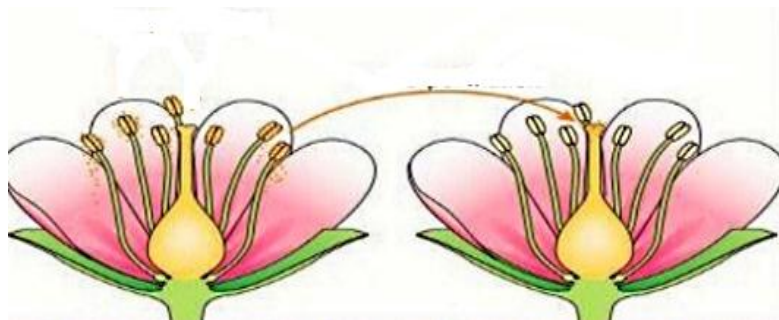
(c) State any three uses of electromagnets.

28. (a) What would happen if forests disappear? (Write four points) 5

(b) Mention the function of decomposers in a forest.

**OR**

(a) Identify the type of pollination shown in the given figure and define it.



(b) State the difference between sexual and asexual reproduction. (Write two points)

(c) Name the part of flower that changes into a fruit?

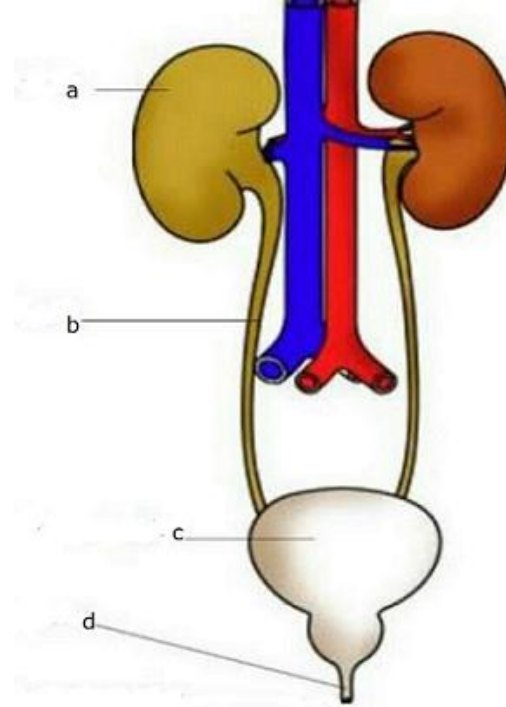
29. (a) Why is it harmful to discharge untreated sewage into the water bodies? (Write two points) 5

(b) What is the role of aerobic bacteria in waste water treatment plant?

(c) Name the gas which is produced after the treatment of sludge.

(d) Write any two uses of this gas.

30. (a) Observe the given figure and answer the following questions. 5



(i) Label the parts **a**, **b**, **c** and **d**.

(ii) State one function of **a** and **b**.

(b) Name two vascular tissues. State its function.

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