

**SCIENCE ASSIGNMENT
CLASS VII
(2016-17) 1ST TERM**

Choose the correct answer:

1. Which of the following is a saprophyte.
 - 1 Amarbel
 - 2 Lichen
 - 3 Mushroom
 - 4 None of these

2. Which of the following is a symbiotic plant
 - 1 Pitcher plant
 - 2 Yeast
 - 3 Lichen
 - 4 Amarbel

3. Describe the process of photosynthesis. Also give its equation
4. Describe how non green plants obtain their food.
5. Choose the correct answer:
Ruminants are able to digest.....which humans cannot
 - 1 Cellulose
 - 2 Carbohydrates
 - 3 Vitamins
 - 4 Complex food

6. List various steps in the process of nutrition?
7. Draw a labeled diagram of Human Digestive System.
8. Under which conditions is glucose given to a patient by a doctor?
9. A wooden spoon is used to make vegetable in a metal frying pan. In other end
 1. Becomes hot because of conduction
 2. Becomes hot because of convection
 3. Becomes hot because of radiation
 4. Does not become hot

10. The temperature of water can be measured with the help of
 - I. Maximum and minimum thermometer
 - II. Metal thermometer
 - III. Laboratory thermometer
 - IV. Clinical thermometer

11. Why is mercury used as a thermometric fluid?
12. What are the different modes of heat transfer?
13. What are indicators? Give examples.
14. Differentiate between acidic and basic substances.

15. Sodium chloride salt is used for cooking. It is formed when hydrochloric acid is added to sodium hydroxide solution, both of which are corrosive in nature. But sodium chloride is not. Give reasons.
16. Give reasons for the following:
 1. Vinegar is sour
 2. We should not use taste as a method of tasting whether a substance is an acid or a base.
17. Write two differences between a physical and a chemical change.
18. What is galvanization?
19. Write a chemical equation to show the reaction between Zinc and Copper sulphate solution.
20. Choose the correct answer:
Crystallization is a process obtaining
 - I. Pure solids only
 - II. Pure liquids only
 - III. Pure gas only
 - IV. All of these
21. Fill in the blanks:

(A) We measure relative humidity with an instrument called

(B)is used to measure rainfall.

(C) Toucan bird hasbeak to crack the nuts.
22. Write the differences between weather and climate.
23. Give examples of two desert animals which adaptive features do they exhibit?
24. Is it better to sleep under to tree in the day or at night? Give reasons for your answer.
25. Why do you think our heart rate increases when we run?
26. Main organ of respiration in human being is
 - (I) Lunges
 - (II) Spiracles
 - (III) Stomata
 - (IV) Stomach
27. Inhaled air has a higher concentration of
 - (I) Oxygen
 - (II) Carbon dioxide
 - (III) Water vapour
 - (IV) Trace gases
28. The products of anaerobic respiration are:

- (I) Carbon dioxide and Water
 - (II) Carbon dioxide and alcohol
 - (III) Water and Alcohol
 - (IV) Water and oxygen
29. Cramps are caused due to accumulation ofin the body
- (I) Alcohol
 - (II) Carbon dioxide
 - (III) Water
 - (IV) Lactic Acid
30. Yeast is used in wine and beer industries because it produces
- (I) Oxygen
 - (II) Alcohol
 - (III) Water
 - (IV) Carbon dioxide

2ND TERM

1. Write any three difference between Arteries and Veins?
2. List two functions of sweat.
3. State the difference between Transpiration and Translocation?
4. What do you understand by the term 'Vascular Bundle'?
5. What happens if waste accumulates in the body?
6. Due to certain abnormal conditions the Kidneys can fail. Is it possible for a person to survive on one kidney. How can such people be cured?
7. Convert speed of 15 m/s into km/s.
8. Ram went to Chandigarh, which is 250 km from Delhi. He started from Delhi at 6 am. and reached Chandigarh at 11 am. Find the average speed by which he travelled from Delhi to Chandigarh.
9. What is an oscillation?
10. A bus travels 54 km in 90 minutes. What is the speed of the bus in m/s.
11. Boojho walks to his school which is at a distance of 3 km from his home in 30 minutes. On reaching, he finds that the school is closed and comes back by a bicycle with his friend and reaches home in 20 minutes what is his average speed in km/hr.
12. Why do we cover plug pin holes which are within the reach of children with cello tape or plastic cover, when not in use?
13. Swati made an electromagnet winding 50 turns of wire over an iron screw. Shweta also made an electromagnet by winding 100 turns over a similar iron screw. Which electromagnet will attract more pins? Give reason.

14. What are conductors? How are they useful in an electric circuit?
15. With the help of a diagram show the working of an electric bell.
16. How will you compare real and virtual images? Give one situation where they are formed?
17. What are the conditions required for the formation of a Rainbow?
18. How does a thunderstorm develop?
19. In what conditions does a cyclone develop? What is its impact on human lives?
20. How are trees uprooted during a storm?
21. In what all ways is water important for us?
22. How does increasing population lead to depletions of water Table?
23. What is the role of deforestation in depletion of water Table?
24. Discuss the importance of water for plants.
25. What are the three states of water?
26. Why is sea and ocean water unfit for human consumption?
27. What is an aquifer? How is water present in aquifer pumped out?
28. Explain Rain Water Harvesting?
29. List the different ways in which forests are useful to us?
30. How is 'Global Warming' related to 'Deforestation'?

PROJECT WORK

Global Warming

Or

The Beautiful Plant Kingdom and Animal Kingdom on the Earth

OR

Advancement in the field of Science and Technology

OR

The Renewable and Non-Renewable Sources of energy on the Earth