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INDIAN SCHOOL SALALAH
FIRST TERM EXAMINATION – SEPTEMBER 2024



SCIENCE-086

Class: VII

Date: 25/09/2024

Time: 3hrs

Maximum Marks: 80

General Instructions:

- i) This question paper consists of 4 pages with 37 questions in all.
- ii) All Questions are compulsory.
- iii) Questions 1 -12 in Section A are multiple choice questions. Each question carries 1mark. You should select one most appropriate option out of the four provided.
- iv) Questions 13-25 in Section B carry 2 marks each.
- v) Questions 26-34 in Section B carry 3 marks each.
- vi) Questions 35 -37 in Section B carry 5 marks each.

SECTION A

- 1 The food synthesised by the plants is stored as
 - a. Starch
 - b. Protein
 - c. Fat
 - d. None of these
- 2 The pores through which leaves exchange gases.
 - a. Leaf veins
 - b. Stomata
 - c. Apex
 - d. None of these
- 3 The largest gland in the human body is_____.
 - a. Salivary gland
 - b. Skin
 - c. Pancreas
 - d. Liver
- 4 Fat is completely digested in the _____.
 - a. Large intestine
 - b. Stomach
 - c. Small intestine
 - d. Mouth

- 5 Water from the undigested food is absorbed mainly in the:
- a. Rectum
 - b. Liver
 - c. Anus
 - d. Large intestine
- 6 No medium is required for transfer of heat by the process of _____.
- a. Photosynthesis
 - b. Radiation
 - c. Conduction
 - d. Convection
- 7 _____ is the reliable measure of degree of hotness of an object.
- a. Temperature
 - b. Pressure
 - c. Thermometer
 - d. None of these
- 8 The normal temperature of human body is _____.
- a. 27°C
 - b. 35°C
 - c. 42°C
 - d. 37°C
- 9 When the soil is too basic, plants do not grow well in it. To improve its quality, what must be added to the soil?
- a. Slaked lime
 - b. Calamine solution
 - c. Organic matter
 - d. None of these
- 10 Phenolphthalein gives _____ colour with lime water.
- a. Pink
 - b. Colourless
 - c. Green
 - d. None of these
- 11 The basic unit of speed is:
- a. km/min
 - b. m/min
 - c. km/h
 - d. m/s
- 12 An example of oscillatory motion is
- a. Motion of cycle wheel
 - b. Movement of car on a straight road
 - c. Motion of a swing
 - d. Motion of earth around the sun

SECTION B

- 13 How would you test the presence of starch in leaves?
- 14 Distinguish between a parasite and a saprotroph. Write an example for each.
- 15 Explain the term symbiosis with an example.
- 16 What are villi? What is their location and function?
- 17 Define
- a. Ingestion
 - b. Egestion

- 18 Write any two functions of:
- Tongue
 - Hydrochloric acid
- 19 What is convection? How heat is transferred by this method?
- 20 Differentiate between conductors and insulators. Write one example for each.
- 21 What do you mean by neutral substance? Explain with examples.
- 22 Explain why an antacid tablet is taken when we suffer from acidity.
- 23 a. Write the chemical name of vinegar and quick lime.
- A solution turns the purple colour of litmus solution into red. What is the nature of the solution?
- 24 Differentiate between Speedometer and Odometer.
- 25 Calculate the time period of a pendulum if it completes 20 oscillations in 42 s.
- 26 a. Define nutrition.
- Differentiate between autotrophic and heterotrophic mode of nutrition.
- 27 Describe the process by which plants prepare their food using different raw materials.
- 28 a. Name the part of the digestive Canal involved in
- Absorption of food
 - Formation of faeces
 - Killing of bacteria
 - Absorption of some salts from undigested food
- Where is the bile produced? Which component of the food does it help to digest?
- 29 a. What will happen if mucus is not secreted by the gastric glands?
- Explain how assimilation is different from absorption.
- 30 Describe in detail sea breeze and land breeze.
- 31 a. How does the heat from the sun reach us?
- Why one thick blanket is less warm up than two thin blankets joined together?
- 32 State any three differences between acids and bases.
- 33 a. What are indicators?
- Write the effect of China rose indicator on acidic and basic solutions.
 - Why does a turmeric stain on white shirt is turned to red when it is washed with soap?
- 34 a. Define speed.
- A girl runs a distance of 160m in 20 seconds. What is the speed of the girl?
 - Convert 9km/h to m/s.
- 35 a. What are algae? Why algae are green in colour?
- Plant cannot use the nitrogen present in the soil directly. Why?
 - Explain nutrition in pitcher plant.

- 36 a. Differentiate between clinical thermometer and laboratory thermometer. (3 points)
- b. The mercury does not fall or rise in a clinical thermometer when taken out of the mouth. Why?
 - c. Base of cooking utensils is painted black. Give reason.
- 37 a. Define neutralisation. Write the general equation of neutralization reaction.
- b. Write the word equation for the reaction between hydrochloric acid and sodium hydroxide.
 - c. How is the factory waste neutralized?
