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HALF YEARLY EXAM 2019-20
CLASS-VII
SUBJECT-SCIENCE

TIME: 2 HR 30 MINS

MAX MARK :80

Section A

Q. 1. Select the correct option

(i) During heavy exercise, we get cramps due to accumulation of

a. Carbondioxide b.Lacticacid c.Water d. Alcohol

(ii)The water holding Capacity is highest in the

a. Sandy soil b.Loamy soil c.Clayey soil

(iii) Cellulose is a type of

a. Fats b. Carbohydrate c. Protein d. None of the above

iv) Normal breathing Rate of an adult is-

a)20-25 b)15-18 c)25-30 d)12-15

v) Earthworm breathe through

a) spiracles b) lungs c) skin d) Gills

vi) In which of the following process of heat transfer, medium is not required?

a) radiation b) convection c) conduction d) none of these

vii) Which of the following does not yield wool?

a) Yak b) camel c) goat d) woolly dog

viii) The solutions which do not change the color of either red or blue litmus are known as

a) acidic solution b) neutral solution c) basic solution d) none of the above

ix) The chemical name of baking soda is

a) sodium hydrogencarbonate b) copper sulphate c) magnesium oxide d) calcium carbonate

x) 9.When carbondioxide is passed through limewater,it turns-

(a)Blue (b)Colourless (c)Milky (d)red

Q.2. Fill in the blanks

i) The saliva breaks down the_____ into sugars.

- ii) The hotness of an object is determined by its_____.
- iii) Bile juice is stored in a sac called the_____.
- iv) The rearing of silkworms for obtaining silk is called_____.
- v) Air moves from a region of_____ pressure to a region of_____ pressure.

Q.3. One word Answers

- i) Give one example of insectivorous plants.
- ii) Name the acid present in spinach.
- iii) Name the bacteria that causes Sore throat disease.
- iv) Write down the full form of ORS.
- v) Give one example of migratory bird.

Q.4. Why does the clinical thermometer has a range of 35°C to 42°C? 02

Q.5. Write two methods to find out the direction of wind at a given place. 02

Q.7. Define: inhalation, exhalation 02

Q.8. Define: climate, weather 02

Q.9. Draw a well labelled diagram of Human Respiratory System 02

Q.10. What are saprotrophs. Give example.

Q.11. What is neutralisation reaction? Give example.

OR

How would you show that setting of curd is a chemical change?

Section C

Q.12. Define the following: shearing, sorting, rearing

Q.13. Differentiate between Aerobic respiration and Anaerobic respiration. 03

Q.14. Name the plant from which litmus is extracted. What is the use of litmus paper?

03

Q.15. Define any three : galvanisation, rusting, chemical reaction. 03

Q.16. i) It takes 30 min for 600 mL of water to percolate through soil sample A. Calculate the rate of percolation.

ii) Percolation rate is highest in the_____ soil and least in_____ soil. 03

Q.17. What is symbiosis? Explain with the help of example.

03

Q.19. Identify which of the following materials are conductors and insulators :

Aluminum, water, iron, air, copper, pencil

03

Section D

Q.20.i) What is soil profile?

ii) Sketch the cross section of soil, label it and write about the horizons of the soil.

05

Q.21. Give some safety measures to be followed during a cyclone.

05

Q.22. How polar bears are adapted to live in poles? Write and explain any 5 points.

05

Q. 23. Draw well labelled diagram of Human Digestive system. 05

OR

(i) What are villi? What is their location and function?

(ii) Where is bile produced? Which component of food does it help to digest?

Q. 24. Explain the phenomenon of sea breeze and land breeze with the help of diagram.