

Half yearly Examinations-December-2014

Biological Science Paper-II

Class-IX

MaxMarks-50

Time :2Hours

Part-A

Max.marks-35

Section-I (Marks-4)

Answer any four of the following questions in One or Two Sentences

- 1.If you want to know more about tissues in plants what questions you are going to ask?
- 2.During severe sough and cold we lose taste of food ?
- 3.What are the different types of blood groups in man?
- 4.What do you understand by the term tissue?
- 5.Give two examples of dicots ?
- 6.Define Instinct?

Section- II(Marks-10)

Answer any Five of the following Questions, Choosing atleast two from each group A&B

Group-A

7. What happens if plasma membrane ruptures or breaks?
2. What are the Differences between Xylem and Phloem.?
3. How diffusion is useful in everyday life? Give two examples?
- 4.What is dialysis? Who constructed dialysis machine?

Group-B

- 5.If the dried vegetables are kept in water they become fresh. What is the reason?
- 6 What happens if our skin loss its sensory nature?
- 7.How behavior of human is different from behavior of other animals ?.
8. Write any 4 medicated plants?

Section- III (Marks-16)

Answer any four of the following Questions, Choosing at least Two from each group A&B

Group-A

- 15 .Who and when proposed cell theory? What are the salient features of it?
16. Collect information about dermal tissues of plants in what way they help to them?
- 17.The blood is also a fluid connective tissue but in the fluid form. Justify the statement?
- 18.How do you appreciate about the organization of cell in the living body?

Group-B

19. What are the differences between Rods and Cones?
20. How diffusion is useful in everyday life?
21. What will happen to a marine fish if kept in fresh water aquarium? Support your answer with reasons.
22. Write about the experiment conducted by Ivan Pavlov on conditioning?

Section- IV (Marks-5)

IV. Draw any one of the following diagram and label it.

1 x 5 = 5

23. Draw a neat labeled diagram of 'Neuron'.
24. Make a flow chart of the Kingdom Planate.

HALF YEARLY EXAMINATIONS, DECEMBER 2014

IX CLASS GENERAL SCIENCE, Paper-II

English Medium

Time: 30 minutes Part – B Marks: 15

Name of the Student :

Roll No.

I. Write the CAPITAL LETTER showing the correct answer for the following questions in the brackets provided against them.

1. The Power house of cell are..... ()
(A) Lysosomes (B) Mitochondria (C) Ribosomes (D) Vacuole
2. Who observed the cell division for the first time ()
(A) Rudolf Virchow (B) Robert Hooke (C) Hugo devris (D) Robert Brown
3. The primary function of chloroplast is ()
(A) Respiration (B) Nutrition (C) Transportation (D) Photosynthesis
4. Stomata are enclosed by two ()
(A) Secretory cells (B) Guard cells (C) Gland cells (D) Parenchyma
5. Parenchyma that contains Chloroplasts is called ()
(A) Chlorenchyma (B) Aerenchyma (C) Storage tissue (D) Schlerenchyma
6. Tissue that bring about over all growth and repair in plants ()
(A) Dermal tissue (B) Ground tissue (C) Vascular tissue (D) Meristamatic Tissue
7. The Scales of fishes, reptiles and feathers of birds grow from which cells ()
(A) Epithelial Cells (B) Connective tissue (C) Areolar Cells (D) Fibroblasts
8. The life span of Red blood cell is ()
(A) 130 days (B) 120 days (C) 12-13 days (D) 115 days
9. Red blood cell with nucleus is present in ()
(A) Camel (B) ulama (C) Both A&B (D) Elephant
10. Plasma Membrane is present in ()
(A) Only in Plants (B) Only in animals (C) None (D) Both A&B
11. Semi Permeable membrane is necessary for ()
(A) osmasis (B) Diffusion (C) Both A&B (D) None
12. Non flowering Plants are ()
(A) Phanerogams (B) Cryptogams (C) Gymnosperms (D) Angiosperms
13. The presence of differences between organism of same species is ()
(A) Classification (B) Diversity (C) Variation (D) Lineage
14. The only flying mammal is... ()
(A) crow (B) peacock (C) hen (D) bat
15. Disease that affect skin due to deficiency of vitamins is..... ()
(A) Leucoderma (B) Ringworm (C) Leprosy (D) Pellagra
16. The part of the retina that has no Photo receptors... ()
(A) Yellow Spot (B) Green Spot (C) Blind Spot (D) Red Spot
17. The chain bones present in the middle ear.. ()
(A) Malleus (B) Incus (C) Stapes (D) all the above
18. These are in born behaviours ()
(A) Imprinting (B) Conditioning (C) Instinct (D) Imitation
19. The insect that lay eggs on the food material is ()
(A) Weaver Bird (B) Ant (C) Cockroach (D) Wasp
20. The Scientist who observed the imitation in chimpanzees ()
(A) Hermon (B) Pepperberg (C) Kohler (D) Pavlov

II. Fill in the blanks.

10 x ½ = 5

- 21. Cell Wall is made up of mainly of
- 22. A group of cells alike in form, function and origin are called
- 23. Helps in the transport of oxygen and Carbon dioxide.
- 24. Water moves towards Sugar Solution due to
- 25. Water enters into the roots through
- 26. Spores are produced with in the structure called as
- 27. Regulates the body temperature.
- 28. Human behavior is more than animal behaviour.
- 29. is a Medicinal Plant.
- 30. Soil erosion decreases where grow more.