Pb. er Code - 3026

B.Sc. Semester-I (Old Course)
July - Sept -2021
Invertebrate Zoology: I (Theory)

કુલ સમય :– ૬૦ મીનીટ કુલ પ્રશ્નો : ૫૦ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૩૫

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1. સજીવો વચ્ચેની સમાનતા અને વિભિન્નતાને આધારે તેમને નાના મોટા સમૂહમાં વહેંચવાની વૈજ્ઞાનિક પદ્ધતિને શું કહે છે ?
   A. વર્ગ B. વર્ગીકરણ C. સમુદાય D. એક પણ નહીં
2. સૌપ્રથમ સજીવોને વર્ગીકૃત કરવાનો પ્રયત્ન કયા વૈજ્ઞાનિકે કરેલો ?
   A. એરિસ્ટોટલ B. જ્હોન-રે C. કાર્લ લિનીયસ D. આપેલ એક પણ નહીં
3. Who is considered to be the pioneer of modern classification and nomenclature?
   A. Carl Linnaeus B. Aristotle C. John-Ray D. None of the above
4. In which year was the book 'Sistema Nature' published?
   A. 1758 B. 1858 C. 1958 D. 1698
5. Which scientists divided the living world into two universes?
   A. John-Ray & Linnaeus B. Aaiclur to Vhitecur C. Both D. None of the above
6. Which scientist classified organisms in terms of cell formation and nutrition?
   A. Vhitecur B. Aaiclur C. John-Ray D. None of the above
7. Which kingdom's animal does not have cell structure in its organisms?
   A. Akaryote B. Prokaryote C. Eukaryote D. None of them
8. In the structure of organisms which kingdom's animal have primary level of the cell?
   A. Akaryote B. Prokaryote C. Eukaryote D. None of them
9. The structure of the cells of organisms of which universe is well developed?
   A. Akaryote B. Prokaryote C. Eukaryote D. None of them
10. Which organisms are dead organisms in terms of nutrition?
    A. Amoeba B. Paramecium C. fungi D. None of them
11. Which organisms are included in the metaphysic group?
    A. Animal B. Plants C. Both D. None of the above
12. What is the scientific name of frog?
    A. Ichthyofis B. Rana tigrina C. Rana D. None of the above
13. Which is the symmetry of an animal if its physical chambers are different from each other?
    A. Homonymous metamerism B. Heteronomous metamerism C. External metamerism D. Pseudo metamerism
14. Which animals are found to have complete symmetry?
    A. Animals of the Annelida phylum B. Animals of the Arthropoda phylum
    C. Animals of the Helminthes phylum D. Animals of the Platyhelminthes phylum
15. In which class of animals are have flagella?
    A. Rhizopoda B. Sporozoa C. Mastigophora D. ciliophora
16. Plasmodium is an animal of which class?
    A. Rhizopoda B. Sporozoa C. Mastigophora D. None of them
17. Amoeba belongs to which phylum?
    A. Protozoa B. Platyhelminthes C. Helminths D. None of the above
18. Malaria is transmitted by which parasite?
    A. Plasmodium B. Amoeba C. Both D. None of the above
19. In which of these animal's sexual reproduction takes place through budging?
    A. Plasmodium B. Sponge C. Amoeba D. None of the above
20. Granasia is belonging to which class?
    A. Calcarean B. Demosponge C. Hexactinellid D. None of the above
21. Which scientist first named the phylum coelenterate?
    A. Linnaeus B. Lyucart C. Both D. None of the above
22. Sting cells are found in animals of which phylum?
    A. Arthropoda B. Annelida C. Coelenterate D. None of the above
23. Aurelia is an animal of which class?
    A. Scyphozoa B. Hydrozoa C. Anthozoa A. None of the above
24. What are the methods of locomotion in Hydra?
    A. Gliding method B. Pash method C. Walking method D. All of the above

25. In which animals are genitals called papillae found?
A. Planeria B. Ascaris C. Tape Worm D. None of the above
26. How many eggs does a female Ascaris lay together?
A. 15000 to 20000 B. 10000 to 11000 C. 9000 to 10000 D. 5000 to 10000
27. Which scientist first observed the cell?
A. Carl Linnaeus B. John-Ray C. Robert Hook D. None of the above
28. Which scientist invented the microscope?
A. Linnaeus B. Robert Hook C. Antony Van Leuven Hawk D. None of the above
29. Which scientists introduced cell theory?
A. Robert Hook B. Darwin C. schleadn D. Antony Van Leuven Hawk
30. How much cytoplasm is present in an animal cell?
A. 50 to 60 % B. 60 to 70 % C. 75 to 75 % D. 45 to 70 %
31. What is known as the factory of proteins inside the cell?
A. Golgi apertures B. Endoplasmic reticulum C. Ribosome D. All of the above
32. Which scientist was the first to study Golgi apertures?
A. Robert Hook B. Camilo Golgi C. Darwin D. schleadn
33. Who is known as suicide bag?
A. Golgi apertures B. Ribosomes C. Lysosome D. Endoplasmic reticulum
34. Which scientist first studied Mitochondria?
A. Linnaeus B. John-Ray C. Fleming D. None of the above
35. In which year was the nucleus discovered?
A. 1831 B. 1833 C. 1834 D. 1837
36. How many types of cell division are found?
A. 1 B. 2 C. 3 D. 4
37. Which kind of metamorphosis is found in silk worms?
A. Incomplete B. Complete C. Complex D. None of the above
38. Who is known as the father of pearl industry?
A. Darwin B. Kokichi Mukimoto C. Linnaeus D. John-Ray
39. What is the outer layer of pearls made of?
A. $CaCO_3$ B. Calcium C. Conchiolin D. Cuticle
40. How many levels of the mantle found in Perl?
A. 3 B. 6 C. 8 D. 9
41. How much calcium carbonate is present in the pearl structure?
A. 60 % B. 70 % C. 80 % D. 90 %
42. Honey bee belonging to from which class?
A. Crustacea B. Insect C. Arthropoda D. None of the above
43. How many species of bees are mainly found?
A. 2 B. 4 C. 6 D. 8
44. How many kilograms of honey is obtained every year from a bee called Apis Indica?
A. 2 – 3 kg B. 4 – 5 kg C. 5 – 6 kg D. 6 – 7 kg
45. What is the size of the queen in the hive?
A. 10 to 11 mm B. 11 to 13 mm C. 15 to 20 mm D. 10 to 12 mm
46. How many kilos of calories of energy is obtained from 2 grams of honey?
A. 57 B. 67 C. 77 D. 87
47. How many types of prawn culture are found?
A. 2 B. 4 C. 6 D. 8
48. How many pH of prawn is kept in a water tank?
A. 7 to 8pH B. 5 to 6pH C. 6 to 7pH D. 4 to 5pH
49. How many kilometers long area with continental shelves is found near India?
A. 1600 B. 2400 C. 4500 D. 5500
50. What is kept in it to maintain the test of prawn?
A. Nitrogen B. Cryogenic Nitrogen C. Carbon Dioxide D. None of the above