

GRADE XI ZOOLOGY PRACTICE QUESTIONS FOR FINAL EXAM-2078

GROUP A: Multiple Choice Questions: (1 Mark)

1. Which subject is known as the “Science of Exceptions”?
 - a. Biology
 - b. Physics
 - c. Chemistry
 - d. Mathematics
2. Who coined the term “Biology”?
 - a. Lamarck
 - b. Darwin
 - c. Mendel
 - d. Aristotle
3. Study of Tissue is called
 - a. Physiology
 - b. Cytology
 - c. Histology
 - d. Anatomy
4. What are the basic elements that form a living organism?
 - a. H,C,O and N
 - b. Ca, Na, K and P
 - c. Cu, Zn, Ni and Si
 - d. Mg, He, Fe and Li
5. Which theory is the most convincing theory of origin of life?
 - a. Special Creation Theory
 - b. Spontaneous generation Theory
 - c. Cosmozoic Theory
 - d. Oparin-Haldane’s Theory
6. Structurally different but functionally similar organs are called
 - a. Homologous organs
 - b. Analogous organs
 - c. Vestigial organs
 - d. Different organs
7. Vermiform appendix is an example of
 - a. Vestigial organs
 - b. Analogous organs
 - c. Homologous organs
 - d. Atavism
8. Miller-Urey’s Experiment was in favour of
 - a. Louis Pasteur’s Experiment
 - b. Oparin-Haldane’s Experiment
 - c. Francesco Redi’s Experiment
 - d. Spallanzani’s Experiment
9. What is age of Earth?
 - a. 2
 - b. .6 billion years
 - c. 3.6 billion years
 - d. 4.6 billion years
 - e. 5.6 billion years
10. Connecting link between reptiles and birds is
 - a. *Paripatus*
 - b. *Neopilina*
 - c. *Archaeopteryx*
 - d. *Dodo*
11. Inheritance of Acquired Characters was proposed by
 - a. Charles Darwin
 - b. Jean Baptiste de Lamarck
 - c. Louis Pasteur
 - d. Hugo de Vries

12. Charles Darwin proposed
- a. Mutation Theory
 - b. Germplasm Theory
 - c. Evolutionary Theory
 - d. Biogenesis Theory
13. According to Modern Synthetic Theory new species does not arise due to
- a. Natural selection
 - b. Isolation
 - c. Mutation
 - d. Spontaneous generation
14. The cranial capacity of modern humans is
- a. 1250 cc
 - b. 1350 cc
 - c. 1450 cc
 - d. 1550 cc
15. Which one is the direct ancestor of modern human
- a. *Homo habilis*
 - b. *Homo erectus*
 - c. Neanderthal man
 - d. Cro-magnon man
16. *Paramecium caudatum* is a
- a. Marine ciliate
 - b. Fresh water ciliate
 - c. Terrestrial ciliate
 - d. Aerial ciliate
17. *Plasmodium* falls under the class
- a. Ciliata
 - b. Rhizopoda
 - c. Sporozoa
 - d. Flagellata
18. *Plasmodium vivax* attacks human.....
- a. Red blood cells
 - b. Muscles
 - c. Stomach
 - d. Intestine
19. Excretory organs of Platyhelminthes are
- a. Kidneys
 - b. Flame cells
 - c. Nephridia
 - d. Amphids
20. Chordates have a
- a. Notochord
 - b. Nephridium
 - c. Water vascular system
 - d. Mantle
21. Which one is the bony fish?
- a. Shark
 - b. Sting ray
 - c. Torpedo
 - d. Cat fish
22. Which of the following do not have exoskeleton?
- a. Fishes
 - b. Amphibians
 - c. Reptiles
 - d. Aves
23. *Plasmodium vivax* attacks human _____.
- a. RBC
 - b. Lung
 - c. Kidney
 - d. Stomach
24. Malaria is prevalent in
- a. Hot areas
 - b. Cold areas
 - c. Hilly regions
 - d. Mountainous regions
25. *Paramecium caudatum* has _____ nucleus.
- a. One
 - b. Two
 - c. Three
 - d. Four

26. Earthworm is
- True coelomate
 - Acoelomate
 - Pseudocoelomate
 - All of the above
27. The first segment of earthworm is called
- Prostomium
 - Peristomium
 - Pygidium
 - Clitellum
28. Amylase is _____ digesting enzyme.
- Carbohydrate
 - Protein
 - Fats
 - Vitamin
29. Insulin hormone is secreted by
- Spleen
 - Gall bladder
 - Pancreas
 - Pituitary gland
30. In the ventricle of frogs, the blood is _____
- Oxygenated
 - Deoxygenated
 - Mixed
 - None
31. Which is the main respiratory organ of adult frog?
- Lungs
 - Skin
 - Buccopharyngeal lining
 - Gills
32. The mating call by adult male frog is called
- Croaking
 - Aestivation
 - Fertilization
 - Copulation
33. Benzene Hexachloride is
- An enzyme
 - A hormone
 - A catalyst
 - A pesticide
34. Which one is the migratory bird?
- Sparrow
 - Crow
 - Artic Tern
 - Parrot
35. Which fish migrate a long distance?
- Rohu
 - Catfish
 - Golden fish
 - Salmon
36. Bats show
- Aquatic adaptation
 - Volant adaptation
 - Cursorial adaptation
 - Fossorial adaptation
37. The largest national park of Nepal is
- Chitwan NP
 - Sagarmatha NP
 - Shey-Phoksundo NP
 - Bardia NP
38. In Nepal, which one is the Endangered species?
- Gangetic dolphin
 - Rohu
 - Spiny babbler
 - Japanese trout

39. The response of an animal to contact is called
- a. Galvanotaxis
 - b. Thigmotaxis
 - c. Rheotaxis
 - d. Geotaxis
40. The red list of threatened species is prepared by
- a. IUCN
 - b. DNPWC
 - c. CITES
 - d. WWF

GROUP B: Give Brief Answer (5 Marks)

1. Discuss the scope of Biology.
2. Explain the relationship of Biology with other subjects.
3. Describe Louis Pasteur's Experiment with a well-labeled diagram.
4. Explain Chemogeny of Oparin-Haldane's Theory.
5. Illustrate Miller-Urey's Experiment with a diagram.
6. Explain the evolution of modern horse
7. How Biochemistry provide evidences of organic evolution.? Explain.
8. Describe the criticism of Lamarckism.
9. Describe the asexual reproduction in *Paramecium caudatum* with required diagrams.
10. Give the control measures of malaria.
11. Write the basic characters of Phylum Chordata with a diagram.
12. Explain the general characters of class Mammalia with examples.
13. Write the economic importance of earthworm.
14. Describe the bucco-pharyngeal cavity of frog with a diagram.
15. Liver is the master laboratory of the body. Explain this with reference to frog.
16. Describe Renal portal system of frog with a diagram.
17. Write the causes and negative effects of Air Pollution.
18. What are the hazards of pesticides? Explain.
19. Write a short note on Dominance and Leadership in animals.
20. Show the types of migration in birds.
21. Explain the volant adaptation of birds.
22. Mention the economic importance of wildlife.
23. Explain the various categories of wild life according to IUCN
24. Describe any three national parks of Nepal.

GROUP C: Give Long Answer (8 marks)

1. Explain Oparin-Haldane's Theory.
2. Give a detailed account of Lamarckism. Mention its criticism with examples.
3. Describe modern synthetic theory of evolution of life.
4. Describe Human evolution starting from *Proconsul*.
5. Explain asexual reproduction of *Plasmodium vivax* with necessary diagrams.
6. Give a detailed account of Conjugation in *Paramecium caudatum* with all required diagrams.
7. Describe the alimentary canal of earthworm with a well-labeled diagram.
8. Explain the nervous system of Earthworm with a diagram.

9. Describe the physiology of digestion in frog up to digestion in the ileum.
10. Describe the internal structure of heart of frog with a labeled diagram. Mention its working mechanism.
11. Explain the physiology of respiration in frog.
12. Describe the male reproductive system of frog with a labeled diagram.