

SUBJECT- ZOOLOGY

GRADE –XI

A. VERY SHORT QUESTIONS

1. Define terms- Palaeontology and Entomology.
2. Which branches of biology describe about Mollusca and Porifera?
3. Define Coacervates and Broth.
4. What do you mean by pasteurization?
5. In what condition life was originated in Earth?
6. Who proposed the special creation theory?
7. Define earth's crust.
8. Define the term growth and irritability.
9. Who is the father of biology?
10. When do female anopheles mosquitoes become infective?
11. List the significance of conjugation in *Paramecium*.
12. Give two characters of sporozoa.
13. Give the sources of energy in Primitive atmosphere.
14. What do you mean by schizogony?
15. What was the Aristotle's view regarding origin of life?
16. Why *Plasmodium falciparum* is more dangerous than other species?
17. What do you mean by digenetic parasite?
18. What do you know about paroxysm?
19. Define exflagellation and oogenesis.
20. Where do you find the signet ring stage of *Plasmodium*?
21. Give the scientific name of Leech and Earthworm.
22. Define assimilation.
23. What do you mean by vector?
24. Why DDT is completely banned?
25. Define the terms osmoregulation and cyclosis.
26. How does sensitive strain of *Paramecium* differ from killer strain?
27. List out the species of *Plasmodium* which cause the malaria in human.
28. Who discovered the oocyst stage of *Plasmodium*?
29. Which gases were mostly abundantly found in primitive atmosphere?
30. What do you mean by reducing atmosphere?

31. How ozone was first formed?

B. SHORT QUESTIONS

1. How does osmoregulation maintain in *Paramecium*?
2. Discuss about structure and function of Trichocyst of *Paramecium*.
3. Define biogenesis. Prove this theory with the help of an experiment
4. New life cannot originate in the present day environment. Justify it.
5. Discuss the origin of autotrophs in primitive atmosphere.
6. Discuss nutrition in *Paramecium*?
7. Discuss the autogamy in *Paramecium aurelia*
8. Differentiate between oocyst and sporogony.
9. Differentiate between sporozoite and trophozoite?
10. Write the scopes of zoology.
11. How the biology is related with the other sciences? discuss

C. LONG QUESTIONS

1. Explain in detail about the most widely accepted theory of origin of life or Oparin – Haldane theory.
2. How does the morphological and anatomical evidences support to organic evolution? Discuss.
3. Elaborate the schizogony of *Plasmodium vivax* in human host.
4. Describe the life cycle of *Plasmodium* in mosquito.
5. Explain the sexual reproduction in *Paramecium* with labelled diagram.
6. Project work on environmental pollutions
 - a. Air pollution
 - b. Soil pollution
 - c. Water pollution
 - d. Pesticides pollution

Notes: students must use the separate answer sheet for the Dashain assignment.