

JR. ZOOLOGY

AP & TS 8 & 4 Marks IMP QNS

TELEGRAM CHANNEL : @INTERMEDIATE_OFFICIAL

8 Marks

1. Explain the structure and life cycle of Entamoeba histolytica with the help of neat labelled diagram.
2. Describe the life cycle of Plasmodium vivax in man.
3. Describe the life cycle of Plasmodium vivax in mosquito.
4. Describe the structure and life cycle of Ascaris lumbricoides with the help of a neat labelled diagram.
5. Describe the life cycle of Wuchereria bancrofti?
6. Describe the digestive system of cockroach with the help of a neat labelled diagram?
7. Describe the respiratory system of cockroach?
8. Describe the blood circulatory system of periplaneta in detail and draw a neat labelled diagram.
9. Describe different types of food chain that exist in an ecosystem.
10. List out the major air pollutants and describe their effects on human beings.

4 MARKS :

Diversity of Living World :

1. Define species. Explain the various aspects of species.

Structural Organization of Animals :

- 1. Describe three types of cartilage.**
- 2. Explain haversian system with a neat labelled diagram.**
- 3. Describe the structure of a multipolar neuron with a neat labelled diagram.**
- 4. Describe the structure of a skeletal muscle.**
- 5. Describe the structure of cardiac muscle.**
- 6. Give an account of glandular epithelium. AP**

Locomotion and Reproduction :

- 1. Describe the process of transverse binary fission in paramecium.**
- 2. Give an account of pseudopodia.**
- 3. Describe the process of longitudinal binary fission in Euglena with a neat labelled diagram.**
- 4. What are lateral appendages? Based on their presence and absence different types of flagella, giving one examples for each.**
- 5. Draw a neat labelled diagram of paramecium. - TS**

Animal Diversity Unit :

1. Write a short note on the salient features of anthozoans.
2. What are the chief characters of crustaceans.
3. Describe the salient features exhibited by polychaetes.
4. What are salient features of echinoids.
5. Mention the salient features of Holothuroidea. AP
6. Name the four hallmarks of chordates and explain the principal function of each of them.
7. What are the modifications that are observed in birds that help them in flight?
8. Compare and contrast cartilaginous and bony fishes.
9. List out 8 characteristics that distinguish a fish from other vertebrates.
10. Write 8 salient features of class amphibia.-AP
11. Describe the structure of heart of frog. - TS
12. What are the features exclusive to Ratitae birds. Give two examples. - TS

Biology in Human Welfare :

1. What are the adverse effects of tobacco.
2. Prevention is better than cure. Justify with respect to TDA abuse.
3. Distinguish between addiction and dependence.
4. Distinguish between hypertrophy and hyperplasia.
5. Why is adolescence considered a vulnerable phase? AP
6. What is the need for parasites to develop special adaptations?

Mention some special adaptations developed by the parasites. - TS

Periplaneta americana :

- 1. Draw a neat labelled diagram of Ommatidium.**
- 2. Draw a neat labelled diagram of the salivary apparatus of cockroach.**
- 3. Draw a neat labelled diagram of the mouthparts of the cockroach.**

Ecology and Environment :

- 1. Describe greenhouse effect.**
- 2. Discuss the cause and effects of global warming. What measures need to be taken to control global warming.**
- 3. What is the evil quartet?**
- 4. Explain Rivet Popper hypothesis.**
- 4. What is summer stratification? Explain.-AP**
- 5. What are the deleterious effects of depletion of ozone in the stratosphere?AP**
- 6. Write a short note on DFC. Give its significance in a terrestrial ecosystem. AP**
- 7. What is genetic diversity? What are the different types of genetic AP**
- 8. Explain in brief biodiversity hotspots.-AP**
- 9. Write a short note on the various trophic levels in a typical ecosystem.TS**
- 10. Define ecological pyramids and describe with examples pyramid of numbers and pyramid of biomass.- TS**
- 11. How do marine animals adapt to hypertonic seawater.(2) -TS**
- 12. Compare any four adaptations of animals living in freshwat water habitats. TS.**
- 13. What are the reasons for greater biodiversity in tropics? - TS**