

Unit wise gunshots in 1st year Zoology - GLN

Unit 1

1. What is biogenesis?
2. What is trinomial nomenclature? give an example
3. What is meant by Tautonymy? give two examples
4. Differentiate between Protostomia and Deuterostomia.
- 5. Define species richness.**
- 6. Define species explain the various aspects of species**
- 7. What are the reasons for Greater Biodiversity in the tropics**
- 8. What is evil quartet?**
- 9. Explain the rivet Popper hypothesis.**

Unit 2

1. What is monaxial heteropolar symmetry? Name the group of animals in which it is the principal symmetry?
2. Radial symmetry is an advantage to the sessile or slow moving organisms justify this statement.
3. Mention the animals that exhibited a tube within a tube organization for the first time. Name their body cavity
4. Mention any two substances secreted by mast cells and their functions
5. Distinguish between a tendon and ligament
6. What is lymph? How does it differ from plasma.
7. What is hematocrit value?
8. Cardiac muscle is highly resistant to fatigue. justify
- 9. Give an account of glandular epithelium**
- 10. Explain haversian system.**
- 11. Describe briefly about the three types of intercellular junctions of epithelial tissues**
- 12. Give an account of the formed elements of blood.**
- 13. Compare and contrast The Three Types of muscular tissues**

Unit 3

1. What are the functions of canal system of sponges?
2. Distinguish between amphids and phasmids
3. What is botryoidal tissue?
4. What is Aristotle's Lantern? give an example of an animal possessing it.
- 5. Write short notes on the salient features of Anthozoa.**
- 6. What are the chief characters of crustacea.**
- 7. Compare briefly a Centipede and a millipede**

Unit 4

- 1. Name the four hallmarks of chordates and explain the principal function of each of them**

- 2. Compare and contrast cartilaginous and Bony fishes.**
- 3. What are the modifications observed in birds that help them in flight.**
- 4. Write eight salient features of the class amphibia.**
- 5. Describe the structure of the heart of frog.**
- 6. Describe the male reproductive system of frog with the help of a diagram**

Unit 5

1. What are Dynein arms? What is their significance.
2. What is the kinecy?
3. Distinguish between a Porter and Opisthe.
- 4. What are lateral appendages? based on their presence & absence write the various types of flagella giving at least one example for each type**
- 5. Give an account of pseudopodia.**
- 6. Draw neat labelled diagrams of euglena and Paramecium**

Unit 6

1. What is a hyperparasite? mention the name of a hyperparasite.
2. What do you mean by parasitic Castration? give one example
3. Define neoplasia. give an example
4. The eggs of Ascaris are called as 'mamillated eggs'. justify
5. What is meant by nocturnal periodicity, with reference to the life history of a nematode parasites that you have studied
- 6. What is the need for parasites to develop special adaptations mention some special adaptations developed by the parasites.**
- 7. Describe the effects of parasites on the host.**
- 8. Write short note on the structure of Sporozoite of Plasmodium vivax**
- 9. Write short notes on opoids.**
- 10. Distinguish between addiction and dependence.**
- 11. Prevention is better than cure justify with regard to TDA abuse**
- 12. life cycle of Plasmodium vivax in man and mosquito**
- 13. life cycle of Entamoeba histolytica**
- 14. life cycle of Ascaris**

Unit 8

1. Distinguish between the terms phototaxis and photokinesis
2. Mention the advantages of some UV rays to us
3. What is camouflage? What is its significance?
4. What is Gause's principle? when does it applicable?
5. Define the terms a) autecology & synecology b) Community c) ecosystem d) Biome e) Niche f) Amensalism g) Commensalism h)
- 6. Temperature**