



University of Benha

Faculty of Science

Department of Zoology

Biol

Name of Course: Biology 101B (Botany and Zoology) for the first year
Veterinary Medicine student

Every student should independently prepare and presents one essay on only one of the following titles:

1. Osmoregulation and excretion among protozoa
2. Variations of reproduction of protozoa
3. Variation of movement and nutrition among protozoa
4. Plasmodium sp and their harmful effects on the host
5. Comparison between Typanosoma and Euglena
6. Trypanosoma as a parasite
7. The vital function of the Paramecium
8. The amoeba structure and vital function
9. The Entamoeba: types, structure and life cycle
10. Subkingdom Parazoa and the life of the sponge
11. The life cycle of Hydra
12. Reproduction of hydra and sponge
13. Body wall structure and cell types of Hydra and sponge
14. The hydra: structure and vital function
15. Movement and feeding of hydra
16. Comparison of Hydra and Obelia
17. Obelia colony structure and life cycle
18. The Fasciola sp: different systems
19. The life cycle of Fasciola sp and their harmful effects on the host
20. Schistosoma sp : types and different systems
21. The life cycle of Schistosoma Sp. and their harmful effects on the host
22. Comparison between Fasciola and Schistosoma.
23. Body wall structure of Hydra and Fasciola.
24. Theory of Pseudopodia formation in protozoa

25. Taenia sp : structure and their harmful effects on the host
26. Five kingdom systems of living organisms
27. Difference between kingdom Monera, kingdom Protista and kingdom Mycota
28. General characteristics of viruses
29. Classification of viruses
30. Infection of bacteria by phage
31. General characteristics of bacteria
32. Structure of bacterial cells
33. Reproduction of bacteria
34. Types of bacteria according to oxygen requirements and mode of nutrition
35. General characteristics of fungi
36. Structure of fungal cell
37. Reproduction of fungi
38. Differentiation between zygozoospores and ascospores
39. Differentiation between Rhizopus and Aspergillus
40. Differentiation between Penicillium and Aspergillus
41. Structure of bacteriophage and its interaction with bacterial cell
42. Difference between viruses and bacteria
43. Biodiversity of living organisms
44. The appearance of kingdom concept
45. Merits and demerits of five kingdom classification
46. Sexual reproduction of fungi
47. Asexual reproduction of fungi
48. Classification of fungi
49. Economic importance of bacteria
50. Morphology of bacteria and its structure