

B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2016**SEMESTER - 1: ZOOLOGY (COMPLEMENTARY)****COURSE: 15U1CPZOO1: ANIMAL DIVERSITY – NON -CHORDATA 1**

Common for Regular (2016 Admission) & Supplementary / Improvement (2015 Admission)

Time: Three Hours

Max Marks: 60

Answer **all** question in part A. Answer **any 6** question from part B.
Any 4 from part C. **Any 2** from part D

PART A

1. What are pseudopodia?
2. What is frustule?
3. What are phasmids?
4. What is statocyst?
5. What are green glands?
6. What is scaphognathite?
7. What is gastric mill?
8. What is pneumatophore?

(1 x 8 = 8)

PART B

9. What are comb jellies or sea goose berry?
10. Write notes on coral reefs.
11. Distinguish between Mesozoa and Parazoa.
12. Write notes on *Limulus*.
13. Explain polymorphism with an example.
14. Write notes on Pycnogonida.
15. Write any four parasitic adaptations of *Taenia*
16. Write notes on branchial formula

(2 x 6 = 12)

PART C

17. Enumerate the salient features of Phylum Echinodermata.
18. Describe the structure and function of cephalic appendages of *Penaeus*
19. Explain the circulatory system in prawn.
20. Give an account of any two pests of stored food grains.
21. What are the salient features of Phylum Mollusca?
22. Write notes on the affinities and evolutionary significance of *Peripatus*.

(4 x 4 = 16)

PART D

23. Write an essay on insects pests of coconut and paddy.
24. With the help of labeled diagrams describe the reproductive system of *Penaeus*. Add notes on its sexual dimorphism.
25. What are the general features of the Kingdom Protista? List the phyla in this kingdom.
26. Give an account of pathogenic protozoa

(12 x 2 = 24)