E 2436 (Pages : 2) Reg. No..................................

Name....................................

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, NOVEMBER 2015

First Semester

Complementary Course—ZOOLOGY–ANIMAL DIVERSITY–NON CHORDATA

(Common for all programmes having Zoology as complementary subject except B.Sc. Botany Model II)

(2013 Admission onwards)

Time : Three Hours   Maximum : 60 Marks

Part A

*Answer **all** questions.*
Each question carries 1 mark.

1. Common name of Actinophrys.

2. Paramecium belongs to which phyla ?

3. Give an example of pest in stored grains.

4. In which class butterfly included ?

5. Scientific name of Indian white prawn.

6. What is medusa ?

7. Which animal is known as Portuguese Man of War ?

8. Which invertebrate is commonly known as Slipper animalcule ?

$(8 \times 1 = 8)$

Part B

*Answer any **six** questions.*
*Answer in **one paragraph** each.*
Each question carries 2 marks.

9. What is metamorphosis ?

10. What are the parasitic adaptations of leech ?

11. What is clitellum ? Where it is seen ?

12. What is polymorphism ?

13. What is cephalisation ?

14. What is flame cell ?

15. What is radula ?

16. What is hermaphroditism ?

Turn over

17. Mention any four characteristics of phylum dinoflagellata.

18. What is parapodium ?

<div align="right">(6 × 2 = 12)</div>

Part C

*Answer any **four** questions.*
*Answer in **one page** each.*
Each question carries 4 marks.

19. Mention the affinities of onychophorans ? Give an example.

20. Give an account of the economic importance of phylum mollusca.

21. What are the parasitic adaptations in nematodes ?

22. What are the salient features of phylum arthropoda ?

23. Write a note on Trichina worm.

24. Explain the life cycle of Entamoeba.

<div align="right">(4 × 4 = 16)</div>

Part D

*Answer any **two** questions.*
*Answer should not exceed **four pages** each.*
Each question carries 12 marks.

25. Explain the salient features of phylum mollusca. Name the classes giving examples with short description.

26. Give an account of the appendages of prawn.

27. Write an account of the pests in stored food grains.

28. What are the salient features of kingdom protista. Classify up to phylum giving examples.

<div align="right">(2 × 12 = 24)</div>