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Register Number :

5301

Name of the Candidate :

B.Sc. DEGREE EXAMINATION DECEMBER 2013.

(ZOOLOGY)

(FIRST YEAR)

(PART – III)

GROUP – A : MAIN

530 — ANIMAL DIVERSITY – I (INVERTEBRATA)

Time : Three hours

Maximum : 100 marks

SECTION A

Define any TEN of the following.

(10 × 2 = 20)

1. Amoebiasis
2. Ascon
3. Conjugation
4. Atoll
5. Spicule
6. Aurelia
7. Metarephridia
8. Redia
9. Hermaphrodite
10. Hirudin
11. Green gland
12. Petasma
13. Radula
14. Ctenidia
15. Bipinnaria.

SECTION B**Answer ALL questions.****(5 × 7 = 35)****All questions carry equal marks.**

16. (a) Describe an amoetoid locomotion in protozoa.

Or

- (b) Write an account on the reproduction in paramecium.

17. (a) Describe the skeleton system in sponges.

Or

- (b) Briefly explain on the life cycle of obelia.

18. (a) Write an account on the deproduction of tape worm.

Or

- (b) List on the Nematode parasites with salient features.

19. (a) Describe the excretory system of earthworm.

Or

- (b) Write an account on the appendages of penacus.

20. (a) Describe on the mechanism of respiration in a fresh water mussel.

Or

- (b) Explain any two larval forms of echinoderms.

SECTION C**Answer any THREE questions.****(3 × 15 = 45)****All questions carry equal marks.**

21. Explain an the life cycle of plasmodium and its consequences.

22. Describe on the canal system in sponges.

23. Explain on the excretory system of liver fluke.

24. Describe the affinities of peripattus.

25. Write an account on the water vascular system in star fish.