

SECTION - C (3 × 15 = 45)

Answer any THREE questions.

Each answer should not exceed 1,500 words.

All questions carry equal marks.

21. Describe the structure and life cycle of entamoeba histolytica.
22. Describe the alimentary canal and feeding mechanism of amphioxus.
23. Explain the structure and functions of the nucleolus. How is it formed ?
24. Write an essay on Darwinism.
25. Describe the role of temperature as limiting factor.

Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2008

(BOTANY)

(FIRST YEAR)

(GROUP - B : ANCILLARY)

(PART - III)

(PAPER - III)

550. ZOOLOGY

December]

[Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10 × 2 = 20)

Answer any TEN questions.

Each answer should not exceed FIFTY words.

All questions carry equal marks.

Write short notes on :

1. Medusa.
2. Tube feet.
3. Keber's organ.

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4. Kollikerts pit.
5. Contours.
6. Cristal.
7. GERL region.
8. Nuclear pore.
9. Archentron.
10. Villi.
11. Neuron.
12. Circadian rhythm.
13. Green house effect.
14. Test cross.
15. Homology.

SECTION - B (5 × 7 = 35)

Answer any FIVE questions.

Each answer should not exceed 300 words.

All questions carry equal marks.

16. (a) Give an account of the various types of zoids found on the obelia colony.

(OR)

- (b) Describe the perihæmal and hæmal system of starfish.

17. (a) Explain the arterial system of columba.

(OR)

- (b) Give an account on affinities of amphioxus.

18. (a) Compare the characteristics of prokaryotic and eukaryotic cells.

(OR)

- (b) Describe the bio-genesis of mitochondria.

19. (a) What is cortical reaction ? Discuss various events of cortical reaction.

(OR)

- (b) Explain the structure and functions of autonomic nervous system.

20. (a) Explain inborn errors of metabolism in man.

(OR)

- (b) Explain the theory of natural selection.

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