

NOVEMBER/DECEMBER 2018

BABT12 — BIOSYSTEMATIC IN BIOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Name some taxonomical aids.
2. Define systematics.
3. What is meant by dikaryon?
4. What are capsids?
5. Give an example for chlorophyta.
6. Why gymnosperms cannot bear fruit?
7. Comment about the cell wall layer of phylum cnidarians.
8. What are hermaphrodites?
9. Give two examples for the phylum pisces.
10. Give the importance of fur in mammals.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write short notes on biological classification.

Or

- (b) Describe about the botanical garden.

12. (a) Explain the characters of basidiomycetes with special reference to mushroom.

Or

- (b) Write short notes on the characters of archaebacteria.

13. (a) Write notes on general characters of phaeophyta.

Or

- (b) Explain the characteristics feature of Mosses.

14. (a) Give any five characteristics features of arthropods.

Or

- (b) Comment on the key characters of hemichordates.

15. (a) Briefly comment about the characters of aves.

Or

- (b) Discuss any five different properties of Reptiles.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail the taxonomic hierarchy followed in the field of biology.
17. Discuss the structure and properties of virus in detail.
18. Describe the characters of angiosperms with an example.
19. Discuss in detail the characteristic features of phylum coelenterata.
20. Elaborate on the structural features of fish under the kingdom Animalia.

