

NOVEMBER/DECEMBER 2017

**BABT12 — BIO SYSTEMATIC IN BIOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is meant by taxonomic hierarchy?
2. Expand ICBN and give its role.
3. Give the cellwall composition of archaebacteria.
4. Define mycelium.
5. Differentiate between gymnosperm and angiosperm.
6. Give the division of liver wort.
7. What is cleavage?
8. Give the scientific name for common tapeworm and name its host.
9. How many pairs of cranial nerve are associated with Cerebral region of chordates.
10. Name the ecological period of aves appearance.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write short notes on the roles and functions of botanical garden.

Or

- (b) Write briefly about zoological park.

12. (a) Comment on the characteristics features of golden algae.

Or

- (b) Give notes on the general characters of dianoflagellate.

13. (a) Explain the general characters of bryophytes?

Or

- (b) Write the classes of Algae.

14. (a) Discuss in short the class I of phylum porifera.

Or

- (b) List the general characters of arthropods.

15. (a) Write any five characteristic features of Chordata.

Or

- (b) Give short notes on the general characters of Pisces.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail the Bentham and Hooker system of classification.

17. Describe the key features and life cycle of ascomycetes.

18. Discuss the classification of gymnosperms in detail.

19. Discuss elaborately the general characters of Echinodermata with an example.

20. With a neatly labelled diagram explain the general structure of the genus Rana.