

S.No. 1760

12UBTS01

(For the candidates admitted from 2012-2013 onwards)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

Second Semester

Biotechnology

SBEC — TAXONOMY AND BIODIVERSITY

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Species.
2. Natural classification.
3. Virus.
4. Phylum.
5. Protozoa.
6. Asexual reproduction.
7. Taxonomy.

8. Class.
9. Hot sport.
10. Paddy straw mushroom.

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

11. (a) Explain the artificial classification.

Or

(b) Describe the Whittaker's five kingdom system.
12. (a) Write short notes on Archaea.

Or

(b) Explain the general classification of viruses.
13. (a) Describe the classification of Algae.

Or

(b) Briefly explain the characteristic features of protozoa.
14. (a) Write short notes on origin of vertebrates.

Or

(b) Describe the animal taxonomy.

15. (a) Explain the types of biodiversity.

Or

- (b) Describe the hot spots.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail on the phylogenetic system of classification.
17. Write an essay on classification of prokaryotes.
18. Explain in detail about classification of eukaryotic fungi.
19. Write an essay on Bentham and Hooker classification.
20. Elaborate in detail on the international union for conservation of nature.