

CS/2111

Syllabus  
December, 2020  
Semester III

21088/NH

Chordates II and Evolution - II

Time Allowed: Three Hours

Maximum Marks: 40

Note: - Attempt five questions in all. Section C is compulsory. Select two questions from Section A and two questions from Section B. Draw diagrams wherever necessary.

SECTION-A

1. Describe digestive system of *Uromastix* with well labeled diagram.6
2. a) Flight Adaptations
- b) Poison apparatus in snakes 3,3
3. Write down Classification of following animals' upto orders:  
*Testudo, Draco and Calotes* 2,2,2
4. Write down systematic position of following animals upto orders:  
*Phrynosoma, Chamaeleon, and Python* 2,2,2

SECTION-B

5. Write down systematic position of following up to orders  
*Manis, Canis and Pteropus* 2,2,2
6. Give an account of
  - i) Biological species concept.
  - ii) Dentition in Mammals 3,3
7. Discuss in detail the endocrine glands of rat. 6
8. Explain modern concept of organic evolution in detail.6

SECTION-C

9. Write short note on the following:
  - I. Homologous organs
  - II. Systemic position of *Hystrix*
  - III. Atavism
  - IV. Divergent Evolution
  - V. Speciation
  - VI. Cro-Magnon
  - VII. Palaeontology
  - VIII. Systemic position of *Alcedo*

8X2