

CODE: 196702  
NOVEMBER 2020

TIME: 3Hrs  
MAX. MARKS : 50  
(10 x 2=20)

**PART A**

Answer any **TEN** questions

1. Solenocytes
2. Tornaria
3. Shark
4. Diphyrcercal fin
5. Labyrinthodontia
6. Seymorina
7. Neornithes
8. Prototheria
9. Corpora quadrigemina
10. Organ of Corti
11. Wolffian Duct
12. Ratitae

**PART B**

Answer any **TWO** questions

(2 x 5=10)

13. Describe the structural peculiarities of Amphioxus.
14. Explain the origin of Actinopterygii
15. Give a brief account of the ancestors of amphibians
16. Comment on the significance of Archaeopteryx
17. Explain the origin and evolution of limbs in mammals
18. Write short notes on a) Amphistylic b) Autostylic
19. Discuss the affinities of Urochordates with invertebrates
20. Comment on the affinities of Apoda

**PART C**

Answer any **TWO** questions

(2x10=20)

21. Comment on placoderms as ancient 'experiments' in the evolution of jawed vertebrates.
22. Discuss the tendencies in Elasmobranch evolution
23. What is adaptative radiation? Explain with reference to reptiles.
24. Explain the evolution of mammals
25. Compare the structure of brain in vertebrates

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