

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1.
LIFE AND DIVERSITY OF CHORDATES (16CPZO1B)

UNIT-I

SECTION-A

6 Marks

1. Write about the binomial nomenclature with examples
2. Give a note on the new trends in taxonomy.
3. Discuss about the ecological approach in taxonomy.
4. Explain about the ethological approach of taxonomy.
5. Give a detailed account on intended, simple bracket key of taxonomy.

SECTION-B

15 Marks

1. Discuss in detail about the pictorial taxonomy
2. Give a detailed account on the cytological approach in taxonomy.
3. Explain about the structural peculiarities of prototheria and metatheria.

UNIT-II

SECTION-A

6 Marks

1. Write about the systematic position of prochordates.
2. Give a brief description on the origin of jaws.
3. Discuss about the structural peculiarities of cyclostomes.
4. Explain about the phylogeny of prochordates.
5. Give a detailed account on the actinopterygii.

SECTION-B

15 Marks

1. Discuss in detail about the ostracoderms.
2. Give a detailed account on the elasmobranchs
3. Explain about the structural peculiarities of bony fishes.

UNIT-IV

SECTION-A

6 Marks

1. Discuss about the evolution of reptiles.
2. Write about the evolution of ornithischian dinosaurs.
3. Describe about the evolution of saurischian dinosaurs.
4. Give an account on the adaptive radiation of reptiles.
5. "Birds as glorified reptiles" – Explain.
6. Explain about the fossil history of birds.

- 7 Discuss about the palate in birds.
- 8 Discuss about the evolution of mammals.
- 9 Give an account on the structural peculiarities of eutheria.

SECTION-B 15 Marks

1. Discuss in detail about the rhynchocephalia.
2. Give a detailed account on the adaptive radiation in birds.
3. Explain about the structural peculiarities of prototheria and metatheria.

UNIT-V SECTION-A 6 Marks

1. Discuss about the paired fins and limbs of vertebrates.
2. Discuss the heart and aortic arches of vertebrates.
3. Explain about the brain of vertebrates.

SECTION-B 15 Marks

1. Write a detailed account on the origin and evolution of vertebrate integumentary system.