

UNIV ERSITY

### Directorate of Distance Education (DDE)

### KUPPAM – 517 426:: A.P.

### COURSE: M.Sc (Zoology)

## PAPER-:ZOO1: INVERTEBRATA & CHORDATA

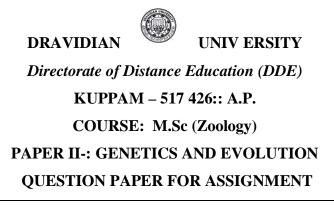
### **QUESTION PAPER FOR ASSIGNMENT**

Answer any <u>**THREE</u>** of the following <u>**FIVE**</u> Questions.</u>

DRAVIDIAN

3x10=30

- 1. Write an essay on coelom organization in the animal kingdom?
- 2. Discuss the larval forms of crustaceans?
- 3. Write an essay on types of scales in the chordates?
- 4. Compare the heart structure in the chordates?
- 5. Write an essay on Hearing and tactile responses?



Answer any **THREE** of the following **FIVE** Questions.

3x10=30

- 1. Discuss the multiple alleles and discuss ABO blood grouping?
- 2. Write an essay on Gene transfer methods?
- 3. Discuss the chromosomal abnormalities?
- 4. Write an essay about Neo-Darwinism?
- 5. Give a brief account on genetic drift?



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### PAPER III-: MTABOLIC REGULATION AND CELL FUNCTION QUESTION PAPER FOR ASSIGNMENT

Answer any **<u>THREE</u>** of the following **<u>FIVE</u>** Questions.

DRAVIDIAN

3x10=30

- 1. Write an essay on thermodynamic principles in biology?
- 2. Give a brief account on Glycolysis?
- 3. Discuss the Urea biosynthesis?
- 4. Write an essay on biosynthesis of nucleotides?
- 5. Describe the clinical disorders of purine metabolism?



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### PAPER IV: TECHNIQUES & TOOLS AND RESEARCH METHADOGY QUESTION PAPER FOR ASSIGNMENT

Answer any **<u>THREE</u>** of the following <u>**FIVE**</u> Questions.

3x10=30

- 01. Write an essay on UV-Visible Spectrophotometer?
- 02. Give a brief account on Autoradiography?
- 03. Discuss the Kymography?
- 04. Write an essay on testing of cell viability?
- 05. Describe the modern animal cell culture laboratory?





# Directorate of Distance Education (DDE) KUPPAM – 517 426:: A.P. COURSE: M.Sc (Zoology) PAPER V: COMPARITIVE ANIMAL PHYSIOLOGY QUESTION PAPER FOR ASSIGNMENT

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

- 01. Write essay on Programmed Cell Death (Apoptosis)?
- 02. Give a brief account on c-Amp Pathway?
- 03. Discuss the Immune system Organs?
- 04. Write essay on Cells of the Immune System?
- 05. Give brief account on Immunological Disorders?