

REPEATED QUESTIONS

ZOOLOGY SEM. IV

UNIT - I

SHORT QUESTIONS

1. CELL CYCLE ITS REGULATION
2. RIBOSOMES
3. ULTRASTRUCTURE OF ANIMAL CELL
4. DIFFERENCES BETWEEN PROKARYOTIC CELL & EUK CELL.
5. PLASMA MEMBRANE STRUCTURE & FUNCTIONS

EASY

1. WRITE A EASSY ON CELL ORGANELLS
 1. MITOCHONDRIA
 2. LYSOSOMES
 3. ER.
2. WRITE IN DETAL ABOUT MITOSIS & MEIOSIS. -TYPE OF CELL DIVISION.
3. SHORT NOTES ON
 - a) CHROMOSOMES - TYPES, GIANT, LAMP BRU-
 - b) CENTROMERES
 - c) NUCLEUS.

UNIT - II

SHORT QUESTIONS

1. PCR.
2. ELECTROPHORESIS.
3. GENETIC CODE
4. LAE OPERON.
5. GENE EXPRESSION - (CENTRAL DOGMA OF MOLECULAR BIOLOGY)

EASY QUESTION

1. WRITE A EASSY ON STRUCTURE OF DNA / WATSON CRICK DNA
2. WRITE A SHORT ON DNA REPLICATION.
3. SHORT NOTES ON RNA SYNTHESIS — TRANSCRIPTION
4. ~~WRITE~~ EASSY ON PROTEIN BIOSYNTHESIS — TRANSLATION.
5. SHORT NOTES ON
 - a) m-RNA
 - b) t-RNA

6. SHORT NOTES ON

- RNA POLYMERASE
- DNA POLYMERASE
- DNA LIGASE
- OKAZAKI FRAGMENTS

UNIT - III

SHORT QUESTIONS

1. INCOMPLETE DOMINANCE.
2. EPISTASIS
3. LAW OF INDEPENDENT ASSORTMENT
4. ONE GENE ONE ENZYME HYPOTHESIS / ONE GENE - ONE POLYPEPTIDE.
5. LINKAGE & CROSSING OVER.

ESSAY QUESTION

1. WRITE A ESSAY ON SEX DETERMINATION & SEX LINKED INHERITANCE
eg: HAEMOPHILIA ✓
COLOUR BLINDNESS
2. WRITE A DETAILED NOTES ON CHROMOSOMAL MUTATIONS

Any eg: DELETION, INVERSION
DUPLICATION, TRANSLOCATION
POLYPLIIDY

3. SHORT NOTES ON - INDUCED MUTATION & SPONTANEOUS MUTATION
4. SHORT NOTES ON - INBORN ERRORS OF METABOLISM
* ALBINISM
* ALKAPTONURIA
* PHENYL KETONURIA.

UNIT - IV

SHORT

1. HARDY - WEINBERG LAW
2. ISOLATION
3. SPECIATION
4. MUTATION
5. GENETIC DRIFT
6. ALLOPATRY
7. SYMPATRY

ESSAY

SHORT NOTES ON

- i) NATURAL SELECTION
- ii) NEO DARWINISM
- iii) MODERN SYNTHETIC THEORY
- 2) LAMARKISM
- 3) ...