

25% REDUCED SYLLABUS OF ZOOLOGY 6TH SEMESTER 2021

Paper ----- 7th Theory

UNIT – I

3. Neo Darwinism; populations
4. H.W. Law..... frequency
5. Types of Natural selection..... with examples
6. Isolating mechanisms..... isolation
7. Modes of Speciation..... Parapatric processes

UNIT – II

1. Concept of pH..... biological applications
3. Enzymes – general properties, with examples
4. Mechanism of enzyme action reaction rates
5. Glycolysis, TCA cycle and ATP generation

UNIT ---III

1. Histological structures and functions of Pituitary, thyroid, pancreas, testis, ovary.
2. Endocrine disorders in human pituitary and thyroid gland.
4. Hormonal control of spermatogenesis and oogenesis.
6. Reproductive cycles in estrous cycle in rat

UNIT – IV

1. Replication, transcription, translation in prokaryotes
 4. Genetic regulation in prokaryotes –Lac operon
 5. Genetic basis of cancer --- (a) to (d)
 6. Recombinant DNA technology and its application – (a) to (e)
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6TH SEMESTER REDUCED SYLLABUS ZOOLOGY HONOURS PRACTICAL '2021

Paper — 8th

3. Identification and characterisation of the histological slides ---- all six as in syllabus
4. Determination of genotype frequency and allele frequency.

POD
29/07/2021

Gautam Bhattacharya
29/07/21

Kalpama Das,
29/7/21

29/07/2021

5. Identification with characters of Human syndrome ---- all four given in syllabus
6. Submission of Laboratory notebook
7. Viva

Project paper for both Zoology Hons and Pass Students.

Due to prevailing COVID situation it is decided to do the project work based on
— review of literature portion .
— animal ethics should be maintained by the teachers while giving project work to students.
— there shouldn't be any collection of specimens by the students. If collected for studying sho
be released to its natural habitat .

 ReplyForward

PDS
29/07/2021

Gautam Bhattacharya
29/07/21

Kalpama Das
29/07/21

[Signature]
29/07/2021