

VCD  
Code - 240315

SEM III

S.Y.BSC Zoology Paper II (USZ0302)

Date

Max Marks - 75 / Time : 2.30

- Note : 1. All questions are compulsory  
2. Draw neat label diagram wherever applicable.

Q.1 Answer any two question. (10 m each)

- Give detailed account of physical properties of water.
- Give an account of Relationship between catabolic & anabolic pathway.
- Describe kreb's cycle.
- Give an Account of B-oxidation.

Q.2 Answer any two question (10 me each)

- Give properties of genetic code.
- Describe meselson and Statl's experiment.
- Describe translation process in prokaryotes.
- Describe transcription in eukaryotes.

Q.3 Answer any two question (10 m each)

- Describe the sex determination mechanism in honey bees?
- Add a detail note on Haemophilia.
- Describe the ZZ-ZW mechanism in birds.
- How does the environmental factors have impact on sex determination.

Q.4 Write note on - any 3 (15 m)

- XX - XY mechanism in man
- DNA replication process
- PH Scale
- Characteristics of chromosomes
- Wobble hypothesis.
- Chemiosmotic theory.