

ATVT

30/9/15

Sem-II F.Y.BSc. Zoology Paper-II Course Code: USZO202

Note: Total Marks-75

- 1) All the questions are compulsory
- 2) Figure at right indicates marks
- 3) Draw neat diagrams wherever necessary

Q1) Answer the following. (Any 2) (20)

- 1) Describe structure and type of fatty acids.
- 2) Explain in detail structure of DNA.
- 3) Describe structure of mRNA.
- 4) Give significance of lipids.

Q2) Answer the following (Any 2) (20)

- 1) How Insulin is produced using biotechnological techniques.
- 2) Describe bioremediation of Soil
- 3) Describe animal cloning experiment "Dolly"
- 4) Describe Heavy Metal Bioremediation.

Q3) Answer in detail

- 1) Describe Miller Urey Experiment (10)

Or

- 1) Give an Account of Co-evolution

- 2) Give an account of human impact on biodiversity (10)

Or

- 2) Enumerate Causes of Microevolution

Q4) Write short notes (Any 3) (15)

- 1) Ground waret cleanup
- 2) Phytoremediation
- 3) LUCA
- 4) Genetic Biodiversity
- 5) tRNA structure
- 6) Difference between DNA and RNA.