



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2020

(Under CBCS Pattern)

Semester - V

Subject: ZOOLOGY

Paper: DSE2T & DSE2P

Full Marks : 60

Time : 3 Hours

Candidates are required to give their answer in their own words as far as practicable.

The figures in the margin indicate full marks.

ANIMAL BIOTECHNOLOGY

Group - A

THEORY

Answer any *two* questions :

20×2=40

1. Write the procedure of Sanger method of DNA Sequencing.
2. What is Knock out mice & transgenic animals.
3. Difference between Northern & Western blotting Procedure.
4. Write a note on cystic fibrosis & sickle cell anemia.

Group - B

PRACTICAL

Answer any *one* questions :

20×1=20

1. Write the procedure of plasmid DNA isolation. (Puc 18/19) from E.coli.
 2. Procedure of animal cell culture.
 3. Write a note on restriction digestion of Plasmid DNA.
-

Vidyasagar University

MICROBIOLOGY

Group - A

THEORY

Answer any *two* questions :

20×2=40

1. What is cell wall of Bacteria ? Write the domain concept of Carl woose.
2. Write difference between communicable & non-communicable disease.
3. What is Acid fast staining, gram staining, simple & complex media.
4. What is conjugation ? Write the process of Generalised & specialised transduction.

Group - B

PRACTICAL

Answer any *one* questions :

20×1=20

1. Write the principle & procedure of gram staining of Bacteria.
 2. Write the procedure of liquid media preparation.
 3. What is power plate, streak plate, spread plate.
-