

B. Sc. 5th Semester Sessional Examination 2023

Sub: Zoology (H/RC)

Paper: Animal Biotechnology

Paper: ZOO-HE-5026/ ZOO-RE-5016

Full Marks: 20

Time: 1 Hr

The figures in the margin indicate full marks for the questions

- Q 1. **Fill in the blanks (Any two):** 1×2=2
- The gene responsible for Cystic Fibrosis is _____
 - Parental disputes can be solved by the technique of _____
 - Recombinant DNA is a combination of vector and _____
- Q 2. **Write short notes on the following (Any four):** 4×3=12
- Electroporation
 - DNA Sequencing Sanger Method
 - Diagnosing sickle cell anaemia
 - Western Blotting
 - Plasmids
 - Gene therapy
 - Recombinant Insulin
 - Colony hybridization
- Q 3. **What is Cell culture? Describe the process/method of establishing a primary cell culture.** 2+4=6
- Or
- What is a DNA library and mention it's types. How is a genomic library constructed in Biotechnology?** 1+1+4=6
