

Rabindra Mahavidyalaya

Department of Zoology

Batch: SEM-V (Hons)

Paper: DSE T1 (Animal Biotechnology)

Full Marks: 10

Time: 30 min

Answer any five questions. (1+1) x 5= 10

- 1) A) What kind of gel is used to analyze proteins?
B) What is Primer walking?
- 2) A) Why ddNTPs are required for sequencing of DNA?
B) Give two examples of transgenic animal?
- 3) A) Give two uses of DNA fingerprinting.
B) What is RNA sequencing?
- 4) A) Is it possible to assay gene expression through DNA microarray?
B) What is DNA microinjection?
- 5) A) Name the scientist who pioneered DNA blotting.
B) What are knockout mice?
- 6) A) How can proteins be transferred from gel to nitrocellulose membrane?
B) What is donor cell? Mention its application?
- 7) A) Why is Western Blot also called Immunoblot?
B) What is Genome and Plasmon?
- 8) A) In the sequencing procedure used by Sanger what was the detection method?
B) Mention the limitations of Southern blotting techniques?