Q.1 Write note on fermentation media and explain its composition?
Q.2 Explain method of cheese making by Proteases.
Q.3 Explain production of bacteriocins from lactic acid bacteria?
Q.4 Write note on computational tools for DNA sequence analysis?
Q.5 Write note on pair wise and multiple sequence alignment?
M.Sc. Biotechnology
Semester III
Paper I-Genetic Engineering

Q.1 What is restriction endonucleases explain its types?
Q.2 Explain site directed mutagenesis?
Q.3 Explain Gene therapy and its types?
Q.4 What is DNA fingerprinting? Explain its application?
Q.5 What are biological databases? Explain its application?
Q.1 Explain microbial production of Vit B12?
Q.2 What is Single cell protein? Explain its application?
Q.3 Explain Biofertilizer and its application.
Q.4 What are cell lines. Explain primary and secondary cell Lines.
Q.5 What is 3-d animal cell culture?
Q.1 Write about special breeding techniques?
Q.2 What is cell synchronization?
Q.3 Explain Somaclonal variation?
Q.4 Write note on plant cloning vectors?
Q.5 Write short note on edible vaccine and Bt gene?