

Sessional Examination
B.Sc. 6th Semester (M)
Subject: Botany
Paper: M 601
(Molecular Biology and Plant Biochemistry)
Full marks: 30

Q. 1 Answer the following (any 4)

1×4 = 4

- a) Name two amino acids.
- b) Define enzyme.
- c) Proteins are made up of _____.
- d) What is a promoter region?
- e) What do you mean by gene expression?
- f) What is a start codon?

Q. 2 Answer the following (any 3)

2×3= 6

- a) Define exons and intron.
- b) What are two main enzymes involved in lactose metabolism?
- c) Write briefly on Genetic code.
- d) Write four properties of enzyme
- e) Name six different class of enzyme

Q. 3 Write a note on (any 4)

5×4= 20

- a) Transcription in prokaryotes
- b) Translation in prokaryotes
- c) Types of RNA and their roles.
- d) Structure of tRNA
- e) Structure of DNA
- f) Lac operon