

FACULTY OF SCIENCE

B.Sc. (CBCS) III-Year (VI-Semester) Regular & Backlog Examinations, June-2023

Biochemistry-VI (A)

(Molecular Biology and Immunology)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4x5=20 Marks)

Answer any Four questions from the following

1. Prokaryotic DNA Polymerases.
2. Degeneracy of genetic code.
3. Adjuvants with example.
4. ELISA.
5. Structure of the gene.
6. Inhibitors of protein synthesis.

SECTION-B

(4x15=60 Marks)

Answer all the following questions

7. (a) Discuss about Models of replication adding a note on Meselson-Stahl's experiment.
(OR)
(b) Explain about Replication in Eukaryotes.
8. (a) Write about Transcription in Eukaryotes.
(OR)
(b) Explain about Initiation, Elongation and termination of protein synthesis.
9. (a) Explain details of Innate and Acquired immunity.
(OR)
(b) Discuss about classification on Immunoglobulins.
10. (a) Describe Blood group antigens.
(OR)
(b) Explain about Graft rejection and add a note on MHC proteins.