

2022
M.Sc.
Second Semester
CORE – 08
ZOOLOGY
Course Code: MZOC 2.41
(Immunology)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Explain in detail about lymphoid organ and their functions. 14
2. Write a note on the following: 7×2=14
 - (a) Cell mediated immune response
 - (b) Factors influencing immunogenicity

UNIT-II

3. Explain the antigen and antibody reactions. Add a note on antibody mediated effector function. 8+6=14
4. Describe the structure and function of B cell receptor. 14

UNIT-III

5. What is antigen presenting cell? Explain the endogenous pathway of antigen processing and presentation with a neat diagram. 2+12=14
6. Write a note on the following: 7×2=14
 - (a) Properties of cytokines
 - (b) Interferon

UNIT-IV

7. Explain the classical pathway of complement activation. Add a note on MHC in human. 8+6=14
8. Elaborate the types and features of hypersensitivity. 14

UNIT-V

9. Describe the different types and diseases of immunodeficiency syndrome. 14
10. Write a note on the following:
- (a) Radio immune assay techniques 8
 - (b) Immune response to viral infection 6
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