

2022
B.A./B.Sc.
Sixth Semester
DISCIPLINE SPECIFIC ELECTIVE – 4
ZOOLOGY
Course Code: ZOD 6.21
(Immunology)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Describe with diagrams the structure and function of the immune cells. 14
2. Explain the different types of factors influencing immunogenicity.
Add a note on haptens. 8+6=14

UNIT-II

3. Describe the anatomical barriers of innate immunity.
Add a note on passive artificial and natural immunity. 7+7=14
4. Write notes on the following: 7×2=14
 - (a) Adaptive immunity
 - (b) Immune dysfunction

UNIT-III

5. Describe the structure and function of different classes of immunoglobulin. 14
6. Write notes on the following: 7×2=14
 - (a) ELISA technique
 - (b) Monoclonal antibodies in therapeutics

UNIT-IV

7. Explain the structure and function of MHC I and MHC II. 7+7=14
8. Describe the properties and function of cytokines. 7+7=14

UNIT-V

9. What is complement system? Explain the classical pathway of complement activation. 2+12=14
10. Describe the different types of hypersensitivity. Add a note on types of vaccines. 10+4=14
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