



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – June 2021
VI Semester

Class :III UG
Major :Zoology

Time : 3 Hours
Max. Marks : 100

18BZOC23 Immunology

Part A
Choose the Correct Answer

10×1= 10

1. Small Pox vaccine was developed by CO1 K1
a. Louis Pasteur b. Von Behring
c. Edward Jenner d. Paul Ehrlich
2. The following one have Antiviral and Anticancerous properties CO1 K2
a. Macrophages b. Interferon
c. Interleukin d. Properdin
3. Capacity of antibodies to combine with Multivalent Antigen is referred as CO2 K2
a. Precipitation b. Cross Reaction
c. Bonus Effect d. Avidity
4. The Immunoglobulin Which can pass through the Placenta CO2 K2
a. Ig D b. Ig M
c. Ig G d. Ig E
5. Allergic reaction during infection is due to CO3 K2
a. Eosinophils b. Basophils
c. Neutrophils d. Antigen Presenting Cells
6. HIV affects which type of specific immune cells CO3 K3
a. T helper cells b. T suppressor cells
c. T cytotoxic cells d. T delayed type hypersensitivity cells
7. Classical Pathway of Complement system is activated by CO4 K3
a. antigens b. antigen antibody complex
c. antigens bound to MHC d. microorganisms or its toxins
8. Which MHC molecules are responsible for graft rejection? CO4 K2
a. MHC I b. MHC II
c. MHC III d. MHC IV
9. Graft takes place between two genetically identical individual of the same species is refers to CO5 K2
a. Autograft b. Syngraft
c. Allograft d. Xenograft
10. Allergic reaction to Penicillin is due to CO5 K4
a. Type I Hypersensitivity b. Type II Hypersensitivity
c. Type III Hypersensitivity d. Type IV Hypersensitivity

Part B
Answer ALL questions
Each answer should not exceed 400 words or two pages

5 x 6 = 30

- 11.a. List out the biochemical factors involved in Innate immunity. CO1 K1
(or)
11.b. Narrate the development and fate of T lymphocytes. CO1 K3
- 12.a. Write short notes on Epitope and Paratope. CO2 K2
(or)
12.b. Enlist the functions of Immunoglobulin. CO2 K3
- 13.a. Describe the role of antigen presenting cells in immune system. CO3 K4
(or)
13.b. Brief the mechanism of Cell Mediated Immunity. CO3K3
- 14.a. Define Complement? Describe their salient features. CO4 K1
(or)
14.b. What are Histocompatible Molecules? Classify them. CO4 K2
- 15.a. Explain the symptoms of Anaphylactic Hypersensitivity and its causative agents. CO5 K3
(or)
15.b. Elucidate the methods to prevent Graft rejection. CO5 K2

Part C
Answer ALL questions
Each answer should not exceed 800 words or four pages

5 x 12 = 60

- 16.a. Write an essay on the major contributions of scientists in the field of Immunology. CO1 K2
(or)
16.b. Explain bone marrow as a Primary lymphoid organ. CO1 K3
- 17.a. Illustrate the structure and functions of Immunoglobulin. CO2 K4
(or)
17.b. Narrate the salient features of Antigen and Antibody reactions. CO2 K3
- 18.a. Elaborate the origin, their presence and functions of Macrophages. CO3 K3
(or)
18.b. Describe the steps involved in B cell activation. CO3 K2
- 19.a. Give an account on alternative pathway of complement system. CO4 K2
(or)
19.b. Elucidate the types and functions of Major Histocompatibility Complex. CO4 K3
- 20.a. What is hypersensitivity? Classify it with an example. CO5 K4
(or)
20.b. Give an account of the immune response occurring during transplantation. CO5 K3
