

Exam Date & Time: 28-Sep-2020 (10:00 AM - 01:45 PM)



## PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image : 30mins

BSc DEGREE EXAMINATION MAY 2020  
(Sixth Semester)

Branch - ZOOLOGY  
IMMUNOLOGY [14ZOU23]

Marks: 75

Duration: 210 mins.

### SECTION A

Answer all the questions.

- |     |                       |     |
|-----|-----------------------|-----|
| 1)  | Acquired Immunity.    | (2) |
| 2)  | Stem Cells.           | (2) |
| 3)  | Agglutination.        | (2) |
| 4)  | Allergy.              | (2) |
| 5)  | MHC.                  | (2) |
| 6)  | Alloantigen.          | (2) |
| 7)  | Heterograft.          | (2) |
| 8)  | Immunity.             | (2) |
| 9)  | Pathogenicity.        | (2) |
| 10) | Hybridoma Technology. | (2) |

### SECTION B

Answer all the questions.

- |      |  |     |
|------|--|-----|
| 11)  | Give an account on T-lymphocytes.                        | (5) |
| a)   |  |     |
| [OR] | Give a brief account on the history of immunology.       | (5) |
| b)   |  |     |
| 12)  | Write short notes on Antigen-Antibody binding mechanism. | (5) |

- a)  
[OR] Describe the basic structure of immunoglobulin. (5)  
b)
- 13) Describe the structure of MHC. (5)
- a)  
[OR] Give an account on immunotherapy for tumour. (5)  
b)
- 14) Write a brief account on immunity to infection. (5)
- a)  
[OR] Give an account of the immune response occurring during transplantation. (5)  
b)
- 15) Briefly account on immunoelectrophoresis. (5)
- a)  
[OR] Describe about HLA typing. (5)  
b)

### SECTION C

**Answer 3 out of 5 questions.**

- 16) Describe the secondary lymphoid organs. (10)
- 17) Explain the mechanism of Immune response. (10)
- 18) Describe any three autoimmune disease with a note on their origin, symptoms and treatment. (10)
- 19) Write an essay on AIDS. (10)
- 20) Write an essay on ELISA and their applications. (10)

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