

**D 132090**

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE REGULAR / SUPPLEMENTARY  
EXAMINATION, NOVEMBER 2025**

(CBCSS)

Zoology

ZOL3C07—IMMUNOLOGY

(2019 Admission Onwards)

Time : Three Hours

Maximum Weightage : 30

I. Answer any *four* of the following (Short Answer type questions). (Weightage 2)

- 1 What is immunogenicity ?
- 2 Define immunoglobulin.
- 3 Write a short on complement deficiency.
- 4 Write a short note on cell mediated immunity.
- 5 Write a short note on anaphylaxis.
- 6 Write the risk factor of malnutrition.
- 7 Define how to prevent the AIDS define the prevention of AIDS.

(4 × 2 = 8 weightage)

II. Answer any *four* of the following (Short essay type questions). (Weightage 3)

- 8 Write a note on Haptens, Epitopes and Adjuvants.
- 9 Explain the precipitation reactions of antigen-antibody interactions.
- 10 Write the causes, risk factors and complications of Chaga's disease.
- 11 Write the regulation of MHC molecules expression.
- 12 Write a detailed note on future transplant therapies.
- 13 Differentiate active and passive immunization.
- 14 What is HIV ? Explain the stages and transmission of HIV.

(4 × 3 = 12 weightage)

**Turn over**

III. Answer any *two* of the following (Long essay type questions). (Weightage 5)

- 15 What is MHC ? Write the structure and functions.
- 16 Write a brief note on transplant rejection.
- 17 What is malnutrition ? Write their signs, symptoms, causes and risk factors.
- 18 Define HIV. Write the symptom, causes, diagnosis, treatment and prevention of HIV infection.

(2 × 5 = 10 weightage)