

**B.Sc. Examination**      **OCT - 2015**  
**Semester - VI**

**Paper Name:** Mi-603- Clinical Immunology

**Paper Code:** 4645

**Time:** 2:30 Hours

**Total Marks:** 70

**Instructions:** (a) Figure to the right indicates total marks of respective question.  
(b) Draw neat, clean and labeled diagram wherever necessary.

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|-------|---|----|
| 1.(a) | Define immunity. Give classification of immunity mentioning subtypes of each. | 10 |
| 1.(b) | Write a note on: Primary organs of immune system.                             | 04 |

OR

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|-------|---|----|
| 1.(a) | Define infection and write a detail note on normal flora of human body and gnotobiosis. | 10 |
| 1.(b) | Discuss Advantages and limitation of modern immunization programme followed by India.   | 04 |

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|-------|--|----|
| 2.(a) | Discuss in detail transmission, symptoms, diagnosis and control of disease caused by HUMAN IMMUNODEFICIENCY VIRUS.               | 10 |
| 2.(b) | Explain transmission, symptoms and diagnosis of alimentary tract disease caused by pathogenic bacteria <i>Salmonella typhi</i> . | 04 |

OR

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|-------|---|----|
| 2.(a) | Describe any one neurological disease in humans.                    | 10 |
| 2.(b) | Write clinical features and mechanism of Staphylococcal infections. | 04 |

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|-------|---|----|
| 3.(a) | Write at least six functions of blood along with its composition. | 10 |
| 3.(b) | Write a note on: Hematopoiesis.                                   | 04 |

OR

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|-------|--|----|
| 3.(a) | Give a detail account of blood grouping systems.         | 10 |
| 3.(b) | Discuss in detail along with significance: Coomb's test. | 04 |

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|-------|---|----|
| 4.(a) | Define hypersensitivity. Explain in detail any two types of hypersensitivity Reactions. | 10 |
| 4.(b) | Write a note on Interferons.  | 04 |

OR

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|-------|--|----|
| 4.(a) | Write pathogenicity, mechanism, clinical features and laboratory diagnosis of tetanus disease. | 10 |
| 4.(b) | Explain causative agents, symptoms and prevention of Tuberculosis.                             | 04 |

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|-------|---|----|
| 5.(a) | Describe various methods for collection and preservation of blood and their components. | 10 |
| 5.(b) | Discuss medicological aspects of blood banking.   | 04 |

OR

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|-------|---|----|
| 5.(a) | Answer briefly: Liver function test and its significance. | 10 |
| 5.(b) | Explain: ELISA Immunoassay.                               | 04 |