

Code: 9A23605**R09**

B.Tech III Year II Semester (R09) Supplementary Examinations December/January 2015/2016

IMMUNOLOGY

(Biotechnology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Define antigen and write about the properties, chemical nature and examples of antigens.
- 2 Give an account on various cells involved in immune system.
- 3 Give a brief account on the role of lymphoid follicle in lymphoid organs.
- 4 Differentiate between:
 - (a) Allotype Vs idiotype.
 - (b) IgM Vs IgG.
 - (c) Agglutination Vs precipitation.
 - (d) Normal cell Vs myeloma cell.
 - (e) Subtypes of IgG.
- 5 Write short notes on:
 - (a) Chimeric antibodies.
 - (b) Abzymes.
- 6 How MHC molecules play a vital role in processing and presentation of antigens to T cells?
- 7 How cell mediated hypersensitivity differs from humoral mediated hypersensitivity and elaborate on mantoux test?
- 8 Write about:
 - (a) Autoimmunity.
 - (b) Transplantation.
 - (c) Immuno suppressive drugs.
