

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2012

(CCSS)

Microbiology—Core Course

MB 6B 19—IMMUNOLOGY

Time : Three Hours

Maximum : 30 Weightage

I. Answer *all twelve* questions :

- 1 The antibody mediating anaphylaxis is _____
- 2 ~~Incomplete antigen is called~~ _____
- 3 _____ provides artificial active immunity.
- 4 **Widal** test is used for the diagnosis of _____
- 5 Monoclonal antibodies are directed towards a single _____
- 6 ~~Rheumatoid arthritis is a~~ _____ disease.
- 7 **Lymphokine** is released from :
 - (a) B cell.
 - (b) T Cell.
 - (c) Plasma Cell.
 - (d) None.
- 8 Antibody which cross placenta is :
 - (a) **IgG**.
 - (b) **Ig A**.
 - (c) **Ig M**.
 - (d) **Ig E**.
- 9 ~~Colostrum gives~~ _____ immunity.
- 10 _____ technique is used to produce monoclonal antibodies.
- 11 Write the full form of **ELISA**.
- 12 **VDRL** is used for the diagnosis of which disease ?

(12 x = 3 weightage)

II. Comment on all the *nine* questions :

- 13 **NK** cells.
- 14 Local immunity.
- 15 Antigenic determinant.

Turn over

- 16 Fab.
- 17 Plasma cell.
- 18 **Atopy.**
- 19 Artificial passive immunity.
- 20 Parasite.
- 21 Western blot test.

(9 x 1 = 9 **weightage**)

III. Write short notes on any *five* from 7 questions :

- 22 Complement.
- 23 Monoclonal antibody.
- 24 Immune complex.
- 25 **Phagocytosis.**
- 26 Clonal selection theory.
- 27 Passive immunity.
- 28 **Widal** test.

(5 x 2 = 10 **weightage**)

IV. Answer any *two* in detail :

- 29 Describe the different mechanisms of innate immunity.
- 30 Discuss. **autoimmune** diseases and their Pathogenesis.
- 31 Describe the different aspects of immune response.

(2 x 4 = 8 **weightage**)