



MS – 340

VI Semester B.Sc. Examination, May 2016
(Semester Scheme) (F+R)

MICROBIOLOGY – VII

Immunology and Medical Microbiology

(70 Marks – 2013 – 14 & Onwards (F+R) /60 Marks – Prior to 2013 – 14 (R))

Time : 3 Hours

Max. Marks : 70 (F)/60 (R)

- Instructions:** 1) Candidates of 2013 – 14 and onwards should answer **all Sections**.
2) Candidates prior to 2013 should answer **A, B and C Sections** only.
3) Draw diagrams **wherever necessary**.
4) **70 marks** for students of 2013 – 14 and onwards.
5) **60 marks** for repeater students prior to 2013 – 14.

SECTION – A

I. Answer the following :

(5×2=10)

- 1) Racial immunity.
- 2) Immunogenicity.
- 3) ODD.
- 4) Adhesion.
- 5) Pulse polio immunisation program.

SECTION – B

II. Answer **any four** of the following :

(4×5=20)

- 6) Explain the immunology of tissue transplantation.
- 7) Discuss the cells of immune system.
- 8) Explain Haemophilus influenza.
- 9) Give an account on Rabies.
- 10) Explain the pathogenicity of Entamoeba histolytica.

P.T.O.



SECTION – C

III. Answer **any three** of the following :

(3×10=30)

- 11) Explain any four antigen antibody reactions.
- 12) Explain in detail the types of vaccines.
- 13) Give a detailed account on immunohaematology.
- 14) Discuss the etiology, pathogenesis, symptoms, diagnosis, prevention and treatment of hepatitis.
- 15) Explain the morphology and cultural characteristics, pathogenesis, lab diagnosis, treatment and control of cholera.

SECTION – D

IV. Answer in **one** sentence :

(10×1=10)

- 16) IgM.
- 17) Lymph node.
- 18) MHC.
- 19) Opsonization.
- 20) Mast cells.
- 21) Tuberculin test.
- 22) Trophozoite.
- 23) Pandemic infections.
- 24) Candida albicans.
- 25) Pyrogen.