

US – 386

VI Semester B.Sc. Examination, May 2017

(Semester Scheme) (F+R)

(CBCS – 2016-17 and Onwards/NS – 2013-14 and Onwards)

MICROBIOLOGY – VII

Immunology and Medical Microbiology

Time : 3 Hours

Max. Marks : 70

- 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) Adjuvant
- 2) Interferons
- 3) Opsonization
- 4) Immunoelectrophoresis
- 5) MALT.

SECTION – B

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

(4×5=20)

- 6) Give an account of candidiasis.
- 7) What is immunity ? Discuss the types.
- 8) Write a note on Antibody Mediated Immune Response.
- 9) Explain ELISA.
- 10) Add a note on significance of normal flora of human body.

SECTION – C

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

(3×10=30)

- 11) Discuss the etiology, pathogenesis, symptoms, diagnosis and treatment of Diphtheria.
- 12) Explain major contributions in the field of medical microbiology.

P.T.O.



- 13) Explain the production and significance of monoclonal antibodies.
- 14) Discuss the etiology, pathology, symptoms, diagnosis, treatment and prophylaxis of cholera.
- 15) What is Hypersensitivity ? Explain the types.

IV. Answer in **one** sentence :

(10×1=10)

- 16) IgG
- 17) Spleen
- 18) Meningitis
- 19) BCG
- 20) Rifampicin
- 21) Coagulase
- 22) Neutrophils
- 23) Tetanospasmin
- 24) Ringworm
- 25) Acyclovir.