

SM – 403

VI Semester B.Sc. Examination, May/June 2018

(Semester Scheme)

(F+R)

(CBCS – 2016 – 17 & Onwards / NS – 2013 – 14 & Onwards)

**MICROBIOLOGY – VII**

**Immunology and Medical Microbiology**

Time : 3 Hours

Max. Marks : 70

**Instructions :** 1) Answer **all** Sections.

2) Draw diagrams **wherever** necessary.

**SECTION – A**

I. Answer the following.

(5×2=10)

- 1) ELISA
- 2) Haptens
- 3) Agglutination
- 4) DOTS
- 5) Rice water stool.

**BMSCW**

**SECTION – B**

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

(4×5=20)

- 6) Give an account on Rabies.
- 7) Write a note on various types of Antibodies.
- 8) Explain Germ theory of Disease.
- 9) Discuss cell mediated immune response.
- 10) Explain the technique of Immunoelectrophoresis.

P.T.O.



## SECTION - C

(3×10=30)

III. Answer any three of the following :

- 11) Discuss the etiology, pathogenesis, symptoms, diagnosis and treatment of Typhoid.
- 12) Give an detailed account on Vaccines.
- 13) Explain any three Antigen-Antibody interactions.
- 14) Explain
  - a) Polyclonal antibodies
  - b) Blood grouping.
- 15) Discuss the pathogenesis, symptoms, epidemiology and prophylaxis of tetanus.

## SECTION - D

IV. Answer in **one** Sentence.

(10×1=10)

- 16) APC
- 17) Endemic
- 18) Antisera
- 19) STD
- 20) Oral thrush
- 21) Cytokines
- 22) Transient flora
- 23) Basophiles
- 24) Parenteral
- 25) Streptomycin.