

## Second year M.B.B.S. Examination

July-2016

### Microbiology: Paper – II

code : 9673

Time: 2 Hours

Total Marks: 40

- Instructions:
- (1) Answer of each section should be written in separate answer book.
  - (2) Answer should be brief and to the point.
  - (3) Figure to the right indicate full marks.
  - (4) Draw diagram when necessary.
  - (5) Illegible writing will not fetch any marks.

#### Section I

- Q.1 Define Agglutination. Write in detail about Agglutination reaction 8  
Or  
Define and classify Immunity. Write in detail about Immunity 8
- Q. 2 Write short notes on any **Three** 6
- a. Morphology of HIV
  - b. Viral inclusion body
  - c. IgG antibody
  - d. Hapten
- Q.3 Write short notes on any **Two** 6
- a. Type 3 Hypersensitivity
  - b. Laboratory diagnosis of Hepatitis B
  - c. Monoclonal antibodies

#### Section II

- Q.4 Write morphology, culture characteristics, pathogenicity and laboratory diagnosis of *Corynebacterium Diphtheriae* 8  
Or  
Write in detail about morphology, culture characteristics, pathogenicity and laboratory diagnosis of *Mycobacterium tuberculosis* 8
- Q. 5 Write short notes on any **Three** 6
- a. Pathogenicity of *Pseudomonas aeruginosa*
  - b. Nagler's reaction
  - c. Transportation media for *Vibrio Cholerae*
  - d. Morphology of *Pneumococci*
- Q. 6 Write short notes on any **Two** 6
- a. Widal test
  - b. Standard tests for syphilis
  - c. Coagulase test