

28 DEC 2019

IInd M.B.B.S. Examination

Microbiology

PAPER II (Immunology + Virology + Bacteriology)

Code:- 9673

Time: 2 Hours]

[Total Marks: 40

Instructions:- (i) Answer of each section should be written in separate answer book.

(ii) Answer should be brief and to the point.

(iii) Figure to the right indicate full marks.

(iv) Draw diagram when necessary.

(v) Illegible writing will not fetch any marks.

SECTION - I

Q-1 Define antibody. Write in detail about structure and classes of immunoglobulins.

(8)

OR

Q – 1 Describe the pathogenesis, laboratory diagnosis and prophylaxis of rabies virus.

Q-2. Write short notes on any three :

(6)

- a) Laboratory diagnosis of Hepatitis B
- b) Adjuvant
- c) Inclusion body
- d) ELISA

Q-3. Write short notes on any two :

(6)

- a) Type 1 hypersensitivity reaction
- b) Polio Vaccine
- c) Dengue fever

[Contd.....

SECTION - II

Q-4. Discuss pneumococcal infections. Describe laboratory diagnosis of *Streptococcus pneumoniae*. (8)

OR

Q-4 Write pathogenicity and laboratory diagnosis of *E coli* (8)

Q-5. Write short notes on any three : (6)

- a) Coagulase test
- b) Morphology of *Corynebacterium diphtheriae*
- c) Atypical mycobacteria
- d) Lepra reaction and lepromin test

Q-6. Write short notes on any two: (6)

- a) Laboratory diagnosis of typhoid
- b) Pathogenicity of *Corynebacterium diphtheria*
- c) Pathogenicity of *Pseudomonas aeruginosa*