

Instructions:

Second Year MBBS Examination

II MBBS Microbiology Paper 1

Time: 2 hours

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

Max Marks: 40

1. MCQ

- a. Vaccine term is coined by ?(a) Louis Pasteur (b) Edward Jenner (c) Robert Koch(d) Joseph Lister
 - b. Sporulation of bacteria occurs in (a) Log phase (b) Lag phase (c) Stationary phase(d) Phase of decline
 - c. Following are antigen presenting cells EXCEPT(a) Macrophage(b) Dendritic Cell(c) T lymphocyte (d) BB lymphocyte*
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- d. Which of these self-antigens can evade immune recognition by sequestration in immunologically privileged sites?(a) Thyroid proteins(b) Corneal Proteins(c) Skin Proteins(d) Myocardial tissue protein
- e. Pathogenic organism responsible for relapsing fever is (a) Brucella (b) Bordetella (c) Borrelia (d) Yersinia
- f. Elementary body and reticulate body are the morphological forms in life cycle of:(a) Rickettsia (b) Calymmatobacterium granulomatis (c) Campylobacter (d) Chlamydia
- g. Pathogenesis of V. cholera involves one of the following messenger System(a) cGMP (b) Cat2 (c) cAMP (d) IP3

Section 2

- 2. Write short notes on: (Any one) (8)
 - a. Define hypersensitivity. Classify different types of it and describe type I hypersensitivity in detail
 - b. Describe etiology, pathogenesis and Laboratory diagnosis of enteric fever.
- 3. Write short Answer on: (Any two) (10)
 - a. Monoclonal Antibody
 - b. Gaseous disinfectants

c. Coagulase test

4. Write short notes on (Any Two) (6)

- a. Laboratory diagnosis of pulmonary tuberculosis
- b. Polymerase chain reaction (PCR)
- c. Laboratory diagnosis of Gas Gangrene

5. Write short Answer on: (Any two) (10)

- a. Bacterial spore
- b. Heterophile agglutination test
- c. Blue pus

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