

Instructions:

KCM 8403

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.

Max Marks: 40

Section 1

1.MCQ (8)

- a. Sporulation occurs in-(a) Lag phase. (b) Log phase (c) Stationary phase (d) Decline phase
- b. HLA complex is on chromosome a) 6 b) 7 c) 8 (d) 9
- c. Which is a form of cold sterilization a) Gamma rays b) Beta rays c) Infrared rays (d)

Autoclave

- d. Which complement component is involved in both classical & alternative pathways a) C1 b) C2 c) C3 (d) C4
- e. Neonatal meningitis acquired during passage through birth canal is due to (a) Streptococcus agalactiae b) Streptococcus equisimilis c) Streptococcus pyogenes (d) Pneumococci
- f. Antigen, combining site of the antibody-a) Autotope b) Paratope c) Epitope (d) Hapten

Section 2

2. Write short notes on ANY TWO (10)

- a. Laboratory Diagnosis of Cholera,
- b. Hospital acquired infections,
- c. Allograft reaction,

3. Write short answers on ANY TWO: (6)

- a. Enumerate bacteria producing pigments
- b. Draw & Label the bacterial flagella,
- c. Write characteristic features of antigen-antibody reactions.

4. Write short notes on ANY TWO:- (10)

- a. Mechanism of autoimmune disease.

- b. Hot air oven.
- c. Streptococcal Toxins,

5. Write short answers on ANY TWO:- (6)

- a. Enumerate Standard tests of syphilis,
- b. Write the principle of fluorescent microscope & its use.
- c. Give differences between primary & secondary immune response.

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