

Date: 03-02-2022

C 8985

Second Year MBBS Examination

II MBBS Microbiology Paper 1 (New)

Time: 2 hours

Max Marks: 100

Instructions:

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

1. Long Question (Any 1 out of 2). (10)

- a. Define sterilization and disinfection.
Describe various disinfectants used in the hospital set up.
 - b. Describe the prevention and control of hospital acquired infection. 5+5
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2. Short notes: (Any 2 out of 3) (12)

- a. Enumerate various zoonotic diseases. Describe any one in detail.
- b. Describe current guideline of Biomedical waste disposal.
- c. Write about Laboratory diagnosis of COVID-19.

3. Short notes (Any 3 out of 4) (18)

- a. Anaerobic Culture Methods.
- b. Describe selective media.
- c. Plasma Sterilization
- d. Antimicrobial Susceptibility Testing (AST).

4. Answer only in 2-3 sentences - (Any 5 out of 6) (10)

- a. Mention two contributions of Louis Pasteur.
- b. Describe six steps of hand washing.
- c. Bacterial flagella.
- d. Personal protective equipment (PPE)
- e. What is Antibiotic stewardship?
- f. Enrichment media.

Section 2

5. Structured Long Question: (Any 1 out of 2) (10)

- a. Define Hypersensitivity. Classify hypersensitivity reactions. Write in detail about Type-IV hypersensitivity reaction. 2+3+5
- b. Describe various antigen-antibody reaction with detail description of various types and applications of Agglutination reaction. 2+3+5

6. Short notes (Any 2 out of 3). (12)

- a. Explain graft versus host reaction.
- b. Acquired immunity.
- c. Structure and function of IgM.

7. Short notes: (Any 3 out of 4) (18)

- a. Conjugation.
- b. Methods of detecting viral growth in cell culture
- c. Morphological Classification of Fungi
- d. Cell wall of Bacteria.

8. Answer only in 2-3 sentences: (Any 5 out of 6) (10)

- a. Define prozone phenomenon
- b. Define Epitope and Paratope.
- c. Herd immunity.
- d. Enumerate four DNA viruses
- e. Define Probiotics. Give one example
- f. Define Host-Parasite relationship,

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