

**Madhya Pradesh Medical Science University,
Jabalpur
MBBS Second Professional Examination 2020
Subject- Microbiology
Paper- I**

Time: 3:00 Hours

Maximum Marks:50

Instructions:

- a) All questions are compulsory**
- b) Draw diagrams wherever necessary**
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.**
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means**

Q1. Long Answer questions 2 X 10 = 20

- a. Classify Mycobacteria. Describe in brief about laboratory diagnosis of pulmonary tuberculosis. Add a note on recent advances in laboratory diagnosis.
- b. Name two organisms causing sore throat and discuss in detail about the laboratory diagnosis of diphtheria.

Q2. Short Answer Questions 4 X 5= 20

- a. Mechanisms of microbial pathogenicity.
- b. Laboratory diagnosis of Salmonella Typhi.
- C. Anaerobic culture methods.
- d. Bacterial Flagella.

Q3. Very Short Answer Questions 1 X 10= 10

- a. Enumerate two zoonotic bacterial diseases.
- b. What is Satellitism? Name the organism producing it.
- C. Enumerate two capsulated bacteria.
- d. What is Target haemolysis? Mention the organism producing it.
- e. Mention the temperature and holding period during Inspissation.
- f. Enumerate two tests used for determining efficacy of disinfectants.
- g. Mention two contributions of Robert Koch
- h. Enumerate two organisms causing urinary tract infection.
- i. Enumerate two organisms causing atypical pneumoniae
- j. Mention two standard tests for syphilis.

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