

**Madhya Pradesh Medical Science University,
Jabalpur
MBBS Second Professional Examination 2017
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. Discuss the Morphology, cultural characters and pathogenicity of Mycobacterium leprae. Add a note on laboratory diagnosis of leprosy.
- b. Discuss the laboratory diagnosis of typhoid fever.

Q2. Short Answer Questions 4 X 5= 20

- a. ~~Alpha haemolytic streptococci~~

- b. Pathogenicity of *Pseudomonas aeruginosa*
- c. Lymphogranuloma venereum
- d. Autoclave

Q3. Very Short Answer Questions 1 X 10= 10

- a. Give two examples of transport media
- b. Define sterilization
- c. What is the role of bacterial pili
- d. Name two capsulated bacteria
- e. Enumerate the positive biochemical reactions of *Streptococcus pneumoniae*.
- f. Enumerate complications of gonorrhoea.
- g. What is the use of formaldehyde in sterilization
- h. enumerate the bacteria causing urinary tract infection.
- i. Enumerate the bacteria causing meningitis.
- j. Give two examples of Zoonotic bacterial diseases.
