

**Madhya Pradesh Medical Science University,
Jabalpur
MBBS Second Professional Examination 2019
(Summer)
Subject- Microbiology
Paper- I**

Maximum Marks:50

Time: 3:00 Hours

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**

Long Answer questions 2 X 10 = 20

Q1. a. Discuss the morphology, cultural characteristics & pathogenicity of *Vibrio cholerae*. Add a note on laboratory diagnosis of cholera.

b. Discuss the morphology, cultural characters & pathogenicity of *Clostridium tetani*.

Short Answer Questions 4 X 5 = 20

Q2. a. What are the properties of ideal disinfectants?

Write five common disinfectants with their mode of action.

b. Enumerate diseases caused by *Neisseria gonorrhoea*. Discuss laboratory diagnosis of these diseases.

c. Pathogenicity of *Mycoplasma pneumoniae*

d. Newer diagnostic techniques for diagnosis of tuberculosis.

Very Short Answer Questions 1 X 10= 10

Q3. a. Define healthcare associated infections.

b. Enumerate anaerobic culture methods.

c. Enumerate examples of oxidase positive bacteria

d. Classify environmental (atypical) *Mycobacteria*.

e. Enumerate diseases caused by Viridians group of *Streptococci*.

f. Name the experimental animals used to propagate *Mycobacterium leprae*.

g. Name the virulence factors of *Proteus mirabilis*

h. Enumerate eye infections of *Chlamydia trachomatis*.

i. Name the diseases produced by *Haemophilus influenzae*.

j. Enumerate milk borne bacterial diseases.
