

**Madhya Pradesh Medical Science University,  
Jabalpur  
MBBS Second Professional Examination 2018  
(Summer)  
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**

- a. Discuss the morphology, cultural characteristics and pathogenicity of *Vibrio cholerae*. Add a note on laboratory diagnosis of cholera.
- b. Discuss the morphology, transmission and pathogenicity of *Clostridium tetani*. Add a note on prevention of tetanus.

## Q2. Short Answer Questions

- a. Pathogenicity of Chlamydia trachomatis
- b. Helicobacter pylori
- c. Nongonococcal urethritis
- d. Diarrhoeagenic E.coli

## Q3. Very Short Answer Questions

- a. Enumerate complications of diphtheria
- b. Enumerate the disease caused by Staphylococcus aureus
- c. Enumerate a haemolytic streptococci and diseases caused by them
- d. Enumerate important biochemical characters of Streptococcus pneumoniae
- e. Classify atypical mycobacteria
- f. Tyndallisation
- g. Make a well labelled diagram to show structure of bacterial cell
- h. Enumerate causative agents of non-venereal syphilis
- i. Enumerate 3 important transport media with their uses.
- j. Important differences between exotoxins and endotoxins.

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