

**PARUL UNIVERSITY**  
**FACULTY OF APPLIED SCIENCE**  
**M.Sc./IMSC, Winter 2019-20 Examination**

**Semester: 2/ 8**  
**Subject Code: 11201153**  
**Subject Name: Medical microbiology**

**Date: 12/12/2019**  
**Time: 2:00pm to 4:30pm**  
**Total Marks: 60**

**Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**  
 (a) Describe in detail life cycle of malarial parasite, pathogenesis, diagnostic principle and treatment of Malaria?
- Q.1. B) Answer the following questions (Any two) (04)**  
 (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks)  
 1. Brief note on gnotobiology  
 2. Short note on general features of Mycoplasma  
 (b) Short note on nonspecific host defenses (04)  
 (c) Short note on mechanisms of inflammation. (04)
- Q.2. A) Answer the following questions. (04)**  
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks)  
 1. *Salmonella typhi* is causative organism of \_\_\_\_\_  
 2. \_\_\_\_\_ is the causative organism of Cholera.  
 (b) Short note on treatment of Polio (04)
- Q.2. B) Answer the following questions (Any two) (03)**  
 (a) Short note/ Multiple choice questions. (Each of 01 marks)  
 1. Name the causative agent of Syphilis  
 2. Which bacteria is considered as biological weapon?  
 3. Name one example of antibacterial agent.  
 (b) Short note on Lab diagnosis of Syphilis (03)  
 (c) Short note on mode of action of amino glycoside antibiotics (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**  
 (a) Give the detailed description of normal micro flora of human body
- Q.3. B) Answer the following questions (Any two) (04)**  
 (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks)  
 1. Brief note on prions  
 2. Brief note on mycosis  
 (b) Short note on virulent factor (04)  
 (c) Short note on types of Tetanus (04)
- Q.4. A) Answer the following questions. (04)**  
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks)  
 1. \_\_\_\_\_ bacteria have teichoic acid in cell wall  
 2. Causative agent of Q fever is \_\_\_\_\_  
 (b) Short note on Chlamydia related disease (04)
- Q.4. B) Answer the following questions (Any two) (03)**  
 (a) Short note/ Multiple choice questions. (Each of 01 marks)  
 1. short note on prebiotic  
 2. Short note on probiotic  
 3. Short note on treatment of typhoid  
 (b) Short note on Rickettsia (03)  
 (c) Short note on Principle of Chemotherapy (03)