

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
B.Sc./I.M.Sc., Summer 2017-18 Examination

Semester: 4**Subject Code: 11101251****Subject Name: Medical Microbiology****Date: 10/05/2018****Time: 10:30 am to 1:00 pm****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) Give the detail of etiological agent, symptoms, pathogenesis and lab diagnosis of Cholera. (08)

Q.1. B) Answer the following questions. (Any two)

(a) Write a short note on Symptoms and Pathogenesis of Syphilis. (04)

(b) Enlist various Cardiac function test and State the detail principle of any one. (04)

(c) Short note Symptoms and Pathogenesis of HIV. (04)

Q.2. A) Answer the following questions.

(a) Enlist the uses of direct and indirect Antiglobulin test. (04)

(b) Write a short note on ABO and Rh groups with their antigen and antibody. (04)

Q.2. B) Answer the following questions. (Any two)

(a) Short note on Antibigram. (03)

(b) How you can differentiate between *Staphylococcus* and *Streptococcus*? (03)

(c) Write a Short note on phage typing. (03)

Q.3. A) Give the detailed justification of Anthrax being biological weapon. (08)

Q.3. B) Answer the following questions. (Any two)

(a) Present the schematic diagram of malarial cycle. (04)

(b) Short note on Symptoms and Pathogenesis of Bacterial colitis. (04)

(c) Short note on Vaccination of Polio. (04)

Q.4. A) Answer the following questions.

(a) List the different types of Malaria with their causative species. (04)

(b) Explain pathogenesis of spirochetes. (04)

Q.4. B) Answer the following questions. (Any two)

(a) Write a note on Blood Banking. (03)

(b) Explain laboratory diagnosis of Hepatitis. (03)

(c) Write symptoms of Amebiasis. (03)