

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

Semester: 2
 Subject Code: 11201153
 Subject Name: Medical Microbiology

Date: 14/05/2018
 Time: 10:30am to 1:00pm
 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) Give the detailed description of normal micro flora of human body
 (b) Give the detail pathogenesis, diagnostic principle of Gonorrhoea.
- 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) (04)
 1. Types of Mycosis.
 2. Treatment and prevention of Malaria.
 (b) Short note on Vaccination of Polio (04)
 (c) Short note on probiotics. (04)
- Q.2. A) Answer the following questions. (04)**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. Causative agent of Q fever is -----
 2. -----does not have a cell wall
 (b) Short note on *Rickettsia* (04)
- Q.2. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. *Salmonella typhi* is causative organism of
 a. Undulant fever b. Remittent fever c. Dengue fever d. Enteric fever
 2. Human immunodeficiency virus-1 (HIV-1)
 a. is a retrovirus b. can cause STD c. can transmit mother to baby d. all of above
 3. Creutzfeldt-Jakob disease is caused by
 a. Bacteria b. Virus c. Prions d. Fungi
 (b) Short note on prebiotic food (03)
 (c) Short note on Prions (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 (a) General features of *Clostridium tetani*
 (b) Describe the life cycle of malarial parasite
- 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) (04)
 1. Treatment of Cholera.
 2. Diagnosis of Systemic Mycosis.
 (b) Short note on general features of Mycoplasma (04)
 (c) Short note on diagnostic approach of Chlamydia related diseases (04)
- Q.4. A) Answer the following questions. (04)**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. ----- is the selective media for *Vibrio cholerae*
 2. ----- bacteria is considered as biological weapon
 (b) Short note on Lab diagnosis of Syphilis (04)

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

(a) Short note/ Multiple choice questions. (Each of 01 marks)

(03)

1. Which microbe cannot be cultivated invitro?

a. *E.coli* b. *S. aureus* c. *Treponema pallidum* d. *Streptococcus sp.*

2. Natural reservoir of Anthrax is

a. Soil b. Water c. Air d. Food

3. Which bacteria have techoic acid in its cell wall

a. *Staphylococcus sp.* b. *Rothia sp.* c. *Micrococcus sp.c.* None

(b) Short note on mechanisms of inflammation.

(03)

(c) Short note on mechanical barrier of human body.

(03)