

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
M.Sc. Summer 2018-19 Examination

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

Date: 08/04/2019
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) Essay type (08)**
(a) Discuss the detailed pathogenesis, diagnostic and treatment of Malaria?
- Q.1. B) Answer the following questions (Any two) (04)**
(a) Brief note: (04)
1. Define Immunity
2. Prions
(b) What is the difference between MIC and MBC? (04)
(c) Short note on Mycoplasma (04)
- Q.2. A) Answer the following questions. (04)**
(a) Brief note (2x2) (04)
1. Horizontal gene transfer
2. Pathogenicity island
(b) Short note: Normal microflora of human body (04)
- Q.2. B) Answer the following questions (Any two) (03)**
(a) Differentiate between Probiotics and Prebiotics (03)
(b) Name one example each of Antiviral, Antibacterial, Antifungal agent (03)
(c) Name two multidrug resistant bacteria (03)
- Q.3. A) Brief note (4x2) (08)**
(a) Virulence determinants of pathogenic microbes.
(b) Pathogenesis of any one viral disease of humans
- Q.3. B) Answer the following questions (Any two) (04)**
(a) Discuss the vaccination against Polio (04)
(b) Short note on any one viral Disease (04)
(c) Enlist General features of Rickettsia (04)
- Q.4. A) Answer the following questions. (04)**
(a) Brief note (2x2) (04)
1. Gnotobiology
2. Causative agent of Syphilis
(b) Write down the mode of action of amino glycoside antibiotics (04)
- Q.4. B) Answer the following questions (Any two) (03)**
(a) Short note: Mycoses (03)
(b) Short note on Drug Resistance and its consequences (03)
(c) Short note on Nonspecific host defenses (03)