

Seat No.: _____

Enrolment No. _____

PARUL UNIVERSITY
DEPARTMENT OF PARAMEDICAL AND HEALTH SCIENCES
B.Sc. Med. Sci., April 2023 Examination.

Year: 2

Date: 03-04-2023

Subject Code: 19106201

Time: 10:00 am to 10:45am

Subject Name: MLT MOD-1 Systemic Bacteriology & Parasitology

Total Marks: 30

Instructions:

1. Attempt all questions from each section
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.

Q.1: Definition (any 5 out of 6) (Each 1 Mark) 05

- (i) List out any 2 biochemical test required for identification of pathogens.
- (ii) Define Hospital acquired Infections.
- (iii) Name the disease caused by mycobacterium.
- (iv) Define Antimicrobial agent.
- (v) The arrangement of streptococci is _____.
- (vi) Give example of gram negative bacteria.

Q.2: Short question (any 5 out of 6) (Each 2 Mark) 10

- (i) Write down the principle of Catalase test.
- (ii) Define Nosocomial Infections with example.
- (iii) Draw the morphology of *Bacillus anthracis*.
- (iv) Write the laboratory diagnosis of Staphylococcal disease.
- (v) Write down the use of TSI.
- (vi) Mention the gram's staining of Clostridium and also mention the disease caused.

Q.3: Long question (any 3 out of 4) (Each 5 Mark) 15

- (i) Write short note on the Bacillus anthrax
- (ii) Define hemolysis and explain its types.
- (iii) Describe various methods for Antimicrobial sensitivity test.
- (iv) Explain the cause and symptoms of UTI.