

PARUL UNIVERSITY
FACULTY OF PHYSIOTHERAPY
BPT, July – 2019 Examination

Year: 2**Subject Code: 07101203****Subject Name: Pathology and Microbiology****Date: 19/07/2019****Time: 10:00am to 01:00pm****Total Marks: 70****Instructions:**

1. All questions are mandatory
2. Figures to the right indicate full marks.
3. Draw Diagram wherever necessary.
4. Write separate sections on separate answer sheets.

SECTION- A

Q.1 Define inflammation. Describe its types and enumerate chemical mediators of inflammation. **(15)**

OR

Q.1 Define Atherosclerosis. Describe sequential changes in myocardium in a case of myocardial infarction. **(15)**

Q.2 Write Short Notes (4 out of 5) (5 Marks each) **(20)**

- (a) Wound healing.
- (b) Types of Embolism.
- (c) Nephrotic Syndrome.
- (d) Serological markers of Hepatitis B.
- (e) Neoplasia.

SECTION- B - Microbiology

Q.3 Define sterilization. Enumerate various methods of moist heat sterilization. Add a note on principle, working and uses of autoclave. **(15)**

OR

Q.3 Define hypersensitivity. Classify various hypersensitivity reactions. Add a note on Type-I hypersensitivity reactions. **(15)**

Q.4 Write Short Notes (4 out of 5) (5 Marks each) **(20)**

- (a) Life cycle of Plasmodium vivax
- (b) Modes of transmission of HIV infection and ways to prevent it
- (c) Infections caused by Candida species
- (d) Immunoprophylaxis of tetanus
- (e) Briefly describe laboratory diagnosis of pulmonary tuberculosis