

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**Pharm.D, May-2018 Examination**

**Year: 2****Subject Code: 08207201****Subject Name: Pathophysiology****Date: 07/05/2018****Time: 2:00 pm to 5:00 pm****Total Marks: 70****Instructions**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

**Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)**

1. Write down etiology and pathology of Diabetes mellitus type -1 and type-2 and describe complications of it.
2. Define Heart failure. Write down causes, pathophysiology and types of heart failure.
3. What is Immunity? Write in detail about cells of immune system, and describe Hypersensitivity reactions.

**Q.2 Short Essay Type Questions. (any 4 out of 5) (5 Mark Each) (20)**

1. Write down life cycle of malarial parasite with proper schematic flow chart.
2. Define Hypertension. Describe types of hypertension along with cardiac and renal complications.
3. Define cellular adaptive disorder and describe atrophy, hypertrophy, hyperplasia and metaplasia.
4. What is Apoptosis? Write apoptosis in detail.
5. Write down etiology, pathology and clinical features of Parkinson's disease.

**Q.3 Short Answers. (2 Mark Each) (20)**

1. What is shock? Write in short about Hypovolaemic and cardiogenic shock.
2. What is acute renal injury? Enlist causes of pre-renal, renal and post renal causes of acute renal injury.
3. Write down difference between benign tumor and malignant tumor.
4. Write down pathophysiology of Chronic obstructive pulmonary disease.
5. Define Gangrene. Write in short about Wet gangrene.
6. Write down pathogenesis of Typhoid fever.
7. Describe routes of HIV transmission.
8. Write down types of angina pectoris.
9. Write down etiology of peptic ulcer disease.
10. What you mean by sexually transmitted diseases? Write in brief about syphilis.