

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D April – 2019 Examination

Year: 2**Subject Code: 08207201****Subject Name: Pathophysiology****Date: 16/04/2019****Time: 02:00pm to 05:00pm****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 definition, etiology, pathogenesis, pathophysiology and clinical features of Peptic Ulcer Disease.
2. Write down flow chart of ischaemic and hypoxic cell injury and describe reversible and irreversible cell injuries in detail.
3. Define Heart failure. Write down causes, pathophysiology and types of heart failure.

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

1. Describe Hypersensitivity reactions in detail.
2. Define hypertension and describe types of hypertension along with cardiac and renal complications.
3. Write down etiology and pathology of Diabetes mellitus type -1 and type-2.
4. Write down pathogenesis of cancer.
5. Write down life cycle of malaria parasite with proper schematic flow chart.

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

1. Define:- (1) Hypertrophy (2) Metaplasia
2. Write down pathogenesis of Tuberculosis in short.
3. Write a note on Syphilis.
4. Write down pathophysiology of Parkinson's disease.
5. Enlist pre-renal, renal and post renal causes of Acute Renal Failure
6. Write in short about biological effects of radiation.
7. Write down route of HIV transmission.
8. Write a note on hypovolaemic shock.
9. Write down pathogenesis of fatty liver disease
10. Write down role basophils and mast cells in inflammation.