

# C.U.SHAH UNIVERSITY

## Summer Examination-2019

**Subject Name: Pathophysiology****Subject Code: 4PS03PAT1****Branch: B.Pharm****Semester: 3****Date: 25/03/2019****Time: 02:30 To 05:30****Marks: 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
- 

**Q-1 Define the following: (14)**

- a) Atrophy (1)
- b) Metaplasia (1)
- c) Immunity (1)
- d) Chemotaxis (1)
- e) Inflammation (1)
- f) Cell proliferation (1)
- g) Autoimmunity (1)
- h) Amyloidosis (1)
- i) Antibodies (1)
- j) Cell injury (1)
- k) Antigen (1)
- l) Chemical mediators of inflammation (1)
- m) Calcification (1)
- n) Sclerosis (1)

**Attempt any four questions from Q-2 to Q-8****Q-2 Attempt all questions (14)**

- a) Explain pathogenesis of reversible and irreversible cell injury (7)
- b) Discuss biological effects of radiation (7)

**Q-3 Attempt all questions (14)**

- a) Explain transplantation and mechanism of allograft rejection (7)
- b) Discuss mechanism of wound healing in detail (7)

**Q-4 Attempt all questions (14)**

Enumerate communicable and non-communicable diseases. Explain concept of disease control (7)

- b) Define autoimmunity. Explain Systemic Lupus erythematosus in detail (7)

**Q-5 Attempt all questions (14)**

Compare and contrast: Necrosis and apoptosis (7)

- b) Explain etiology, transmission and pathophysiology of AIDS (7)

**Q-6 Attempt all questions (14)**

- a) Explain etiopathogenesis and diagnosis of Rheumatoid arthritis (7)
- b) Discuss etiopathology of obesity in detail (7)



- Q-7**      **Attempt all questions**      **(14)**
- a) Discuss chemical mediators involved in pathophysiology of inflammation      **(7)**
  - b) Classify sources of pollutants. Explain SO<sub>2</sub> and CO in detail      **(7)**
- Q-8**      **Attempt all questions**      **(14)**
- a) Explain cellular adaptations in detail with examples      **(7)**
  - b) What are hypersensitive reactions? Explain type-I and type-II in detail      **(7)**

