

C.U.SHAH UNIVERSITY

Winter Examination-2015

Subject Name: Pathophysiology

Subject Code: 4PS03PAT1

Branch: B.Pharm

Semester: 3 Date: 12/12/2015 Time: 2:30 To 5:30

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.
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- Q-1** Explain the following: **(14)**
- a. Hypertrophy b. Atrophy c. host d. Adaptation
e. Autophagy f. Chemotaxis g. Hypoxia

Attempt any four questions from Q-2 to Q-8

- Q-2** a. Define acute inflammation. Write in details about cellular events occur in acute inflammation. **(7)**
b. Enlist chemical mediators of inflammation. Write note on cytokines. **(7)**
- Q-3** a. Write in details about mechanism of intracellular accumulation. **(7)**
b. Define apoptosis. Give molecular mechanism and importance of apoptosis. **(7)**
- Q-4** a. Explain sequence events in wound healing process. **(7)**
b. Explain type I and type IV hypersensitivity reaction. **(7)**
- Q-5** a. Write note on MHC and CD cells. **(7)**
b. Define tolerance and explain its mechanism. **(7)**
- Q-6** a. Enlist autoimmune diseases. Write note on etiology and pathogenesis of rheumatoid arthritis. **(7)**
b. Write note on protein energy malnutrition with example. **(7)**
- Q-7** a. What is environmental pollution? Give details account on air pollution. **(7)**
b. Enlist communicable and non-communicable diseases and give an account on factor affecting aging. **(7)**
- Q-8** a. Explain the concept of diseases control and prevention **(7)**
b. Write notes on Pathogenesis phase of disease and Environmental factors of disease. **(7)**

