

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem-III Regular / Remedial Examination Dec. 2010

Subject code: 230005

Subject Name: Pathophysiology

Date: 18 / 12/ 2010

Time: 10.30 am – 01.30 pm

Instructions:

Total Marks: 80

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain the terms: **06**
1. hypertrophy
2. Atrophy
3. Hyperplasia
4. Necrosis
(b) Write in detail about mechanism of cell injury. **05**
(c) Write a note on Amyloidosis. **05**
- Q.2** (a) Define apoptosis. Write in detail about mechanism of apoptosis. **06**
(b) Describe in detail about growth factors involved in tissue repair. **05**
(c) Write a note on obesity. **05**
- Q.3** (a) Define acute inflammation. Write in detail about cell events occur in acute inflammation. **06**
(b) Write in detail about mechanism of autoimmunity. **05**
(c) Write a note on protein energy malnutrition. **05**
- Q.4** (a) Explain the terms: **06**
1. Natural killer cell
2. Dendritic cell
3. T lymphocytes
4. MHC molecule
(b) Write in detail about mechanism of intracellular accumulation. **05**
(c) Write a note on therapeutic drugs induced adverse reactions. **05**
- Q.5** (a) Define immunity. Write in detail about adaptive immunity. **06**
(b) Write in detail about mechanism of tissue repair. **05**
(c) Write a note on metals as environmental pollutants. **05**
- Q.6** (a) Write in detail about mechanism of antibody mediated disease. **06**
(b) Write in detail about stimuli for acute inflammation. **05**
(c) Write a note on components of extracellular matrix. **05**
- Q.7** (a) Write in detail about effector mechanism of graft rejection. **06**
(b) Write in detail about cell derived mediators of inflammation. **05**
(c) Write a note on systemic lupus erythematosus. **05**
