

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – III • EXAMINATION – WINTER • 2016

Subject Code: 230005

Date: 29-11-2016

Subject Name: Pathophysiology

Time: 02:30 pm - 05:00 pm

Total Marks: 80

Instructions:

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

- | | | |
|-------------|--|-----------|
| Q.1 | (a) Discuss the food sources and functions of Vit. A. Mention diseases developing due deficiency of Vit.A | 06 |
| | (b) Give the aetiology of Cell Injury. | 05 |
| | (c) Write a short note on- Tissue Regeneration Process. | 05 |
| Q.2 | (a) Explain in detail pathogenesis of Reversible Cell Injury. | 06 |
| | (b) Describe the systemic effects and possible outcomes of Acute Inflammation. | 05 |
| | (c) Define Autoimmune Diseases and discuss pathogenesis of Rheumatoid Arthritis. | 05 |
| Q.3 | (a) Define Protein Calorie Malnutrition (PCM) and give contrasting features of Kwashiorkor and Marasmus. | 06 |
| | (b) Discuss Steatosis (Fatty changes) as Intracellular accumulation. | 05 |
| | (c) Write a short note on- Obesity. | 05 |
| Q.4 | (a) Enumerate the principal Cellular Adaptive Responses. Discuss morphological features of Hypertrophy and give its physiological and pathological causes. | 06 |
| | (b) Differentiate between Dystrophic and Metastatic Calcification. | 05 |
| | (c) Write a short note on- Primary Air Pollutants. | 05 |
| Q.5 | (a) Define Necrosis and discuss briefly about different types of Necrosis. | 06 |
| | (b) Explain the pathological aspects of Repair. | 05 |
| | (c) Write a short note on- Granulomatous Inflammation. | 05 |
| Q. 6 | (a) Define Inflammation and explain the vascular events of Acute Inflammation. | 06 |
| | (b) Explain the process of repair of wound in skin. | 05 |
| | (c) Write a short note on- Hypersensitivity reactions. | 05 |
| Q.7 | (a) Define Apoptosis and explain molecular mechanism of Apoptosis. | 06 |
| | (b) Describe the functions of Vit.C and explain about diseases developing due to deficiency of Vit C. | 05 |
| | (c) Write a short note on- Biological Effects of Radiation. | 05 |
