

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D – YEAR -2- EXAMINATION –WINTER - 2018

Subject Code:828801

Date: 19/11/2018

Subject Name: Pathophysiology

Time:02.30 P.M. TO 5.30 P.M.

Total Marks: 70

Instructions:

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

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|-------------|--|-----------|
| Q.1 | (a) Define and classify cellular adaptations. Write a note on atrophy. | 06 |
| | (b) Write a note on pathogenesis of COPD. | 04 |
| | (c) Discuss differences between malignant and benign tumors. | 04 |
| Q.2 | (a) Define acute inflammation. Write role of chemical mediators in inflammation. | 06 |
| | (b) Write mechanisms of allograft rejection. | 04 |
| | (c) Write a note on acute renal failure. | 04 |
| Q.3 | (a) Define thrombosis. Discuss etiological factors and pathogenesis of thrombosis. | 06 |
| | (b) Explain life cycle of malarial parasite. | 04 |
| | (c) Enlist various inflammatory cells and discuss role of any two cells in inflammation. | 04 |
| Q.4 | (a) Define and classify anemia. Write symptoms and pathophysiology of Iron deficiency anemia. | 06 |
| | (b) Write symptoms and pathogenesis of depression. | 04 |
| | (c) Enumerate various shocks. Write a note on anaphylactic shock. | 04 |
| Q.5 | (a) Define radiation injury. Explain mechanisms involved in radiation induced damage to the DNA of cell. | 06 |
| | (b) Write differences between ulcerative colitis and crohn's disease. | 04 |
| | (c) Discuss etiology and general biology of tumor. | 04 |
| Q. 6 | (a) Discuss risk factors, pathogenesis and complications of type-1 diabetes mellitus. | 06 |
| | (b) Write a note on Amyloidosis. | 04 |
| | (c) Discuss in detail toxic effects of SO ₂ . | 04 |
| Q.7 | (a) Classify hypersensitivity reactions. Discuss cell mediated hypersensitivity reaction in detail. | 06 |
| | (b) Write etiology and pathogenesis of AIDS. | 04 |
| | (c) Discuss factors affecting healing of wound. | 04 |
