

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D YEAR-2 EXAMINATION – WINTER-2019

Subject Code: 828801

Date: 14/11/2019

Subject Name: Pathophysiology

Time: 10:30 AM TO 01:30 PM

Total Marks: 70

Instructions:

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

- Q.1** (a) Explain the given terminology : a) Hypertrophy **06**
b) Hyperplasia
c) Atrophy
d) Metaplasia
e) Necrosis
f) Apoptosis
- (b) Enlist clinical features of malaria and write a note on life-cycle of malaria **04**
(c) Discuss pathophysiology of hypertension **04**
- Q.2** (a) Discuss HIV life-cycle and its pathogenesis **06**
(b) Write a note on shock **04**
(c) Write a note on Type-1 hypersensitivity reactions **04**
- Q.3** (a) Write a note on various types of inflammatory mediators **06**
(b) Discuss types of allograft rejections **04**
(c) Describe pathophysiology of parkinsonism **04**
- Q.4** (a) Describe in detail various types of tumors **06**
(b) Write a note on biological effects of radiation **04**
(c) Discuss pathophysiology of atherosclerosis **04**
- Q.5** (a) Write a note on amyloidosis **06**
(b) Discuss etiology and pathogenesis of asthma **04**
(c) Enlist risk factors of UTI & Explain its pathophysiology **04**
- Q. 6** (a) Describe etiology and pathophysiology of tuberculosis **06**
(b) Differentiate between depression & mania **04**
(c) Discuss risk factors and pathophysiology of peptic ulcer **04**
- Q.7** (a) Write in detail pathophysiology of diabetes mellitus and its complications **06**
(b) Explain types of dysentery **04**
(c) Write a note on protein calorie malnutrition **04**
