

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm Practice- Year-I • EXAMINATION – SUMMER -2018****Subject Code: PP101TP****Date: 30/04/2018****Subject Name: PATHOPHYSIOLOGY & PHARMACOTHERAPEUTICS I****Time: 02:30 PM TO 05:30PM****Total Marks: 60****Instructions:**

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

|            |                                                                                                         |           |
|------------|---------------------------------------------------------------------------------------------------------|-----------|
| <b>Q.1</b> | (a) Discuss etiology, pathophysiology & treatment of Hypertension                                       | <b>06</b> |
|            | (b) Describe etiology & clinical manifestations of Heart failure                                        | <b>03</b> |
|            | (c) Explain pathophysiology of Hyperlipidemia                                                           | <b>03</b> |
| <b>Q.2</b> | (a) Discuss in detail treatment algorithm of Ischemic heart disease.                                    | <b>06</b> |
|            | (b) Describe Pharmacotherapy of Atrial fibrillation.                                                    | <b>03</b> |
|            | (c) Discuss diagnostic tests of Hyperlipidemia                                                          | <b>03</b> |
| <b>Q.3</b> | (a) Discuss diagnostic tests & clinical manifestations of Asthma                                        | <b>06</b> |
|            | (b) What is Pathophysiology? Explain its scope in treatment of disease.                                 | <b>03</b> |
|            | (c) Which factors should be considered in dose selection of a drug in a hepatically challenged patient? | <b>03</b> |
| <b>Q.4</b> | (a) Discuss the role of pharmacokinetic factors in selection of a drug in pediatric population.         | <b>06</b> |
|            | (b) Explain etiology & pathophysiology of Torsade de Pointes                                            | <b>03</b> |
|            | (c) Discuss pharmacotherapy of COPD                                                                     | <b>03</b> |
| <b>Q.5</b> | (a) Enlist long term complications of Diabetes mellitus. Explain any two of them.                       | <b>06</b> |
|            | (b) Explain in detail pathophysiology of Asthma                                                         | <b>03</b> |
|            | (c) Describe various forms of Congestive Heart Failure                                                  | <b>03</b> |
| <b>Q.6</b> | (a) Explain etiology, pathophysiology & Clinical manifestations of hypothyroidism                       | <b>06</b> |
|            | (b) Discuss GOLD classification of COPD.                                                                | <b>03</b> |
|            | (c) Give difference between Type 1 Diabetes mellitus & Type 2 Diabetes mellitus.                        | <b>03</b> |
| <b>Q.7</b> | (a) Describe etiology, diagnostic techniques & treatment of Grave's disease                             | <b>06</b> |
|            | (b) Discuss diagnostic techniques of Diabetes mellitus.                                                 | <b>03</b> |
|            | (c) Explain step up & step down approach for treatment of asthma                                        | <b>03</b> |

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