

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm – SEMESTER V – • EXAMINATION – SUMMER-2021**

**Subject Code: BP502TP****Date: 04/08/2021****Subject Name: PHARMACOLOGY-II****Time: 02:30 PM TO 05:30 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** Given answers in one line **16**
1. Write any two examples of L-type calcium channels blocker.
  2. Which drug causes most frequently 'Coronary steal phenomenon'?
  3. Which antihypertensive drug causes loss of taste sensation as a side effect?
  4. Write any two examples of potassium retaining diuretic
  5. Write any two examples of K<sup>+</sup> channel openers
  6. Give example of Heparin antagonist
  7. Which H1 antagonist used in motion sickness
  8. What are the uses of Desmopressin
  9. What are the uses of Streptokinase
  10. What are the uses of Propylthiouracil
  11. Write any two examples of PPAR $\gamma$  agonist
  12. Give example of Aromatase inhibitors
  13. What is the mechanism of Allopurinol
  14. Write any two examples of DMARDs
  15. Write any two examples of Selective cox-2 inhibitors
  16. What is mechanism of Sumatriptan
- Q.2** (a) Classify anti arrhythmic drugs. Write role of amiodarone in the treatment of arrhythmia. **06**
- (b) Write a short note on anti-platelet drugs. **05**
- (c) Write a short note on NITRATES. **05**
- Q.3** (a) Classify antihypertensive drugs. Explain the role of ACE inhibitors in the treatment of hypertension. **06**
- (b) Write a short note on anticoagulants. **05**
- (c) Explain treatment of CHF. **05**
- Q.4** (a) Classify diuretics. Give the mechanism of action and therapeutic uses of Furosemide. **06**
- (b) Write a short note on STATINS. **05**
- (c) Write a short note on plasma volume expanders. **05**
- Q.5** (a) Explain oral hypoglycaemic drugs. **06**
- (b) Write a short note on H1- receptor antagonists. **05**
- (c) Explain bioassay of oxytocin. **05**

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| <b>Q. 6</b> | <b>(a)</b> | Classify 5-HT antagonists. Write use and adverse effects of ondansetron. | <b>06</b> |
|             | <b>(b)</b> | Write pharmacology of corticosteroids.                                   | <b>05</b> |
|             | <b>(c)</b> | Write principle and types of bioassay.                                   | <b>05</b> |
| <br>        |            |  |           |
| <b>Q.7</b>  | <b>(a)</b> | Classify NSAIDs. Write adverse effects of NSAIDs.                        | <b>06</b> |
|             | <b>(b)</b> | Write a short note on anti rheumatic drugs.                              | <b>05</b> |
|             | <b>(c)</b> | Write a short note on hormone replacement therapy.                       | <b>05</b> |

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