

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER- 5• EXAMINATION – SUMMER -2020

Subject Code:BP502TP**Date: 27-10-2020****Subject Name:PHARMACOLOGY-II****Time: 2:30 PM TO 5:30 PM****Total Marks: 80****Instructions:**

1. Q:1 is compulsory
2. Attempt any four questions from remaining six questions (Q:2 to Q:7)
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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| Q.1 | Given answers in one line | 16 |
| | <ol style="list-style-type: none"> 1. Write any two example of AT1 Receptors blocker. 2. Write selective estrogens receptor modulator most commonly used for the treatment of breast cancer. 3. Write main side effects of ACE inhibitors. 4. Write Alpha 2 agonist used in pregnant women with hypertension. 5. Write major two side effects of HMG COA reductase inhibitors. 6. Write vitamin K dependent anticoagulant with zero-order kinetics of elimination. 7. Write name of diuretic used as prophylactic for mountain sickness and glaucoma. 8. Write diuretic used to reduce intracranial pressure. 9. Write most serious side effect of metformin. 10. Write mechanism of action of sildenafil. 11. Write any two example of DMARDs. 12. Write anti dote of paracetamol toxicity. 13. Write any two examples of H1 antihistamines used for motion sickness. 14. Write drug of choice for management of acute ventricular tachycardia. 15. Write Agent that inhibits xanthine oxidases and used to treat chronic gout. 16. Write 5HT-1A receptor partial agonist indicated for generalized anxiety disorder; due to longer onset of action, is less effective for acute anxiety. | |
| Q.2 | <ol style="list-style-type: none"> (a) Give the mechanism of action, therapeutic uses and adverse effects of anti anginal drugs nitrates. (b) Explain the pharmacology of Warferin (c) Write a short note on HMG CoA reductase inhibitors | 06
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| Q.3 | <ol style="list-style-type: none"> (a) Classify diuretics. Give the mechanism of action and therapeutic uses of Thiazides. (b) Enlist various throbolytic agents. Describe in brief the pharmacology of streptokinase. (c) Explain the role of calcium channel blockers in the treatment of hypertension and arrhythmias. | 06
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| Q.4 | <ol style="list-style-type: none"> (a) Write adverse effects and uses of H₁- receptor antagonists. (b) Describe the role of digoxin in congestive cardiac failure. (c) Write a short note on plasma volume expanders. | 06
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| Q.5 | <ol style="list-style-type: none"> (a) Enlist different preparations of insulin and Explain pharmacological actions. (b) Classify male and female sex hormones and explain about estrogens. (c) Describe the pharmacology of thyroid hormones. | 06
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| Q. 6 | (a) | Classify 5-HT receptors. Discuss in detail about pharmacology of 5-HT. | 06 |
| | (b) | Write a note on replacement therapy using corticosteroids. | 05 |
| | (c) | Write a short note on oral contraceptives. | 05 |
| Q.7 | (a) | Write principle and types of bioassay | 06 |
| | (b) | Classify NSAIDs. Write adverse effects of Aspirin. | 05 |
| | (c) | Explain bioassay of insulin and digitalis | 05 |
