

**B. PHARM.
FIFTH SEMESTER
PHARMACOLOGY II
BP503T**

[USE OMR FOR OBJECTIVE PART]

**SET
B**

Duration : 3 hrs.

Full Marks : 75

Time : 30 min.

Marks : 20

1×20=20

Choose the correct answer from the following:

PART-A: Objective

- Following which one of the hormones is secreted by the posterior pituitary along with ADH.
 - Estrogen
 - Melatonin
 - Progesterone
 - Oxytocin
- Carvedilol is
 - α -agonist
 - Mixed α - and β antagonist
 - Mixed α - and β -agonist
 - β -antagonist
- Propionic acid derivative-
 - Naproxan
 - Mefenamic acid
 - Piroxicam
 - Ketorolac
- Aspirin contraindicated in
 - Rheumatoid arthritis
 - Pain
 - Fever
 - Pregnancy
- Which one of the following enzymes is participate in oxidation of Iodide to form Iodinium ion
 - Tryptophan hydroxylase
 - Monoamine oxidase
 - Thyropoxidase
 - Alcohol dehydrogenase
- Which of the following is an 5HT₃ antagonist?
 - Domperidone
 - Ondansetron
 - Chlorpromazine
 - Ranitidine
- Calcium channel blockers act by blocking entry of calcium through-
 - L-type
 - T-type
 - N-type
 - P-type
- To form T₃ following which one is the coupling occur during biosynthesis-
 - Diiodotyrosine + Diiodotyrosine
 - Monoiodotyrosine + Diiodotyrosine
 - Diiodotyrosine + Iodinium Ion
 - Diiodotyrosine + Tyrosine
- _____ is an example of graded response
 - Effect of Ach on muscle
 - Hypoglycaemic convulsion by insulin
 - Cardiac arrest of Digitalis
 - None of the above

10. Tamoxifen is:
 - a. Anti-progestin
 - b. Antiandrogen
 - c. Androgen
 - d. Anti-estrogen
11. Suitable route for administered Insulin
 - a. Oral route
 - b. Intravenous route
 - c. Subcutaneous route
 - d. Intramuscular route
12. Which diuretic drug inhibits Na^+ reabsorption and decreasing K^+ excretion
 - a. Furosemide
 - b. Clopamide
 - c. Spironolactone
 - d. Acetazolamide
13. Selective Cox2 inhibitor-
 - a. Paracetamol
 - b. Indomethacin
 - c. Ibuprofen
 - d. Etrocoxib
14. Probenecid is-
 - a. Inhibit migration of granulocytes
 - b. Inhibit tubular reabsorption of Uric acid
 - c. Inhibit xanthine oxidase
 - d. Inhibit cyclo-oxygenase
15. Following which one is the antagonist for Warfarin
 - a. Vit C
 - b. Vit K
 - c. Vit E
 - d. Vit B₁₂
16. The enzyme responsible for formation of Thromboxane from arachidonic acid is-
 - a. Cyclo-oxygenase
 - b. Lipoxxygenase
 - c. Phospholipase A₂
 - d. Both (a) & (b)
17. Following which one is the H₂ receptor antagonist?
 - a. 2-methyl histamine
 - b. Dimaprit
 - c. Mepyramine
 - d. Ranitidine
18. Amiodarone is a-
 - a. Ca²⁺ Channel blocker
 - b. K⁺ Channel blocker
 - c. Na⁺ Channel blocker
 - d. None of the above
19. Following which one of the antihypertensive drugs also used for Hair regrowth-
 - a. Prazosin
 - b. Amlodipine
 - c. Minoxidil
 - d. Losartan
20. Selective α_2 -agonist
 - a. α -methyldopa
 - b. Reserpine
 - c. Propranolol
 - d. Prasosin

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(PART-B: Descriptive)

Time : 2 hrs. 30 min.

Marks : 35

[Answer any seven (7) questions]

1. Classify anti-anginal agents. Explain the MOA of any two class of anti-anginal agents. 2+3=5
2. Classify non-steroidal anti-inflammatory drugs. Write down MOA of aspirin 4+1=5
3. Write a brief note on cardiac glycosides. 5
4. Write down the MOA, adverse effect and Drug interactions of Allopurinol 2+1+2=5
5. Classify Diuretic drugs. Write a short note on high-ceiling diuretics. 2+3=5
6. Classify hypolipidemic drugs. Write down the mechanism of action of HMG-CoA reductase inhibitors 3+2=5
7. Classify antithyroid drugs. Write down the MOA and adverse effects of Propylthiouracil. 2+2+1=5
8. Write a brief note on Anticoagulant Drugs 5
9. Define Bioassay. Write down the bioassay of Serotonin. 1+4=5

PART-C : Long type questions

[Answer any two (2) questions]

1. Classify Antihypertensive drugs. Write down the MOA, drug interaction and adverse effect of Ca^{2+} channel blockers. 4+3+2+
1=10
2. Classify Oral Hypoglycaemic agents. Write down the MOA and adverse effects of Sulfonylureas and Biguanides. 4+3+3
=10
3. Write brief notes on the following (*any two*): 5+5=10
 - a. Drugs affecting Renin-angiotensin aldosterone system (RAAS)
 - b. Management of Rheumatoid Arthritis
 - c. Histamine and their antagonists
 - d. Oral Contraceptives

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