

**B. PHARM.
FIFTH SEMESTER
PHARMACOLOGY II
BP503T [REPEAT]
[USE OMR FOR OBJECTIVE PART]**

**SET
A**

Duration : 3 hrs.

Full Marks : 75

Time : 30 min.

Marks : 20

Choose the correct answer from the following:

1×20=20

(PART-A: Objective)

1. Selective α_2 -agonist
 - a. α -methyldopa
 - b. Reserpine
 - c. Propranolol
 - d. Prasosin
2. Following which one of the antihypertensive drugs also used for Hair regrowth-
 - a. Prazosin
 - b. Amlodipine
 - c. Minoxidil
 - d. Losartan
3. Amiodarone is a-
 - a. Ca^{2+} Channel blocker
 - b. K^{+} Channel blocker
 - c. Na^{+} Channel blocker
 - d. None of the above
4. Following which one is the H_2 receptor antagonist?
 - a. 2-methyl histamine
 - b. Dimaprit
 - c. Mepyramine
 - d. Ranitidine
5. The enzyme responsible for formation of Thromboxane from arachidonic acid is-
 - a. Cyclo-oxygenase
 - b. Lipoyxygenase
 - c. Phospholipase A_2
 - d. Both (a) & (b)
6. Following which one is the antagonist for Warfarin
 - a. Vit C
 - b. Vit K
 - c. Vit E
 - d. Vit B_{12}
7. Probenecid is-
 - a. Inhibit migration of granulocytes
 - b. Inhibit tubular reabsorption of Uric acid
 - c. Inhibit xanthine oxidase
 - d. Inhibit cyclo-oxygenase
8. Selective Cox2 inhibitor-
 - a. Paracetamol
 - b. Indomethacin
 - c. Ibuprofen
 - d. Etrocoxib
9. Which diuretic drug inhibits Na^{+} reabsorption and decreasing K^{+} excretion
 - a. Furosemide
 - b. Clopamide
 - c. Spironolactone
 - d. Acetazolamide
10. Suitable route for administered Insulin
 - a. Oral route
 - b. Intravenous route
 - c. Subcutaneous route
 - d. Intramuscular route

11. Tamoxifen is:
 - a. Anti-progestin
 - b. Antiandrogen
 - c. Androgen
 - d. Anti-estrogen
12. _____ is an example of graded response
 - a. Effect of Ach on muscle
 - b. Hypoglycaemic convulsion by insulin
 - c. Cardiac arrest of Digitalis
 - d. None of the above
13. To form T_3 following which one is the coupling occur during biosynthesis-
 - a. Diiodotyrosine + Diiodotyrosine
 - b. Monoiodotyrosine + Diiodotyrosine
 - c. Diiodotyrosine + Iodinium Ion
 - d. Diiodotyrosine + Tyrosine
14. Calcium channel blockers act by blocking entry of calcium through-
 - a. L-type
 - b. T-type
 - c. N-type
 - d. P-type
15. Which of the following is an $5HT_3$ antagonist?
 - a. Domperidone
 - b. Ondansetron
 - c. Chlorpromazine
 - d. Ranitidine
16. Which one of the following enzymes is participate in oxidation of Iodide to form Iodinium ion
 - a. Tryptophan hydroxylase
 - b. Monoamine oxidase
 - c. Thyroperoxidase
 - d. Alcohol dehydrogenase
17. Aspirin contraindicated in
 - a. Rheumatoid arthritis
 - b. Pain
 - c. Fever
 - d. Pregnancy
18. Propionic acid derivative-
 - a. Naproxan
 - b. Mefenamic acid
 - c. Piroxicam
 - d. Ketorolac
19. Carvedilol is
 - a. α -agonist
 - b. Mixed α - and β antagonist
 - c. Mixed α - and β -agonist
 - d. β -antagonist
20. Following which one of the hormones is secreted by the posterior pituitary along with ADH.
 - a. Estrogen
 - b. Melatonin
 - c. Progesterone
 - d. Oxytocin

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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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