

QP Code: 523006

Reg. No.....

**Fifth Semester B. Pharm Degree Regular/Supplementary
Examinations July 2024
Pharmacology II
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays

(2x10=20)

1. Giving examples of drugs, explain the mechanism of action any two classes of lipid lowering agents. Also, list their adverse effects. (2+6+2)
2. Draw a flow chart to depict prostaglandin production. Classify NSAIDS and list the adverse effects COX-I inhibitors. (4+4+2)

Short Notes

(7x5=35)

3. Write the applications of bioassays.
4. Explain how Insulin helps in cellular uptake of glucose. Give example of two drug that increases insulin release from pancreas. (4+1)
5. Explain the actions of thyroid hormones on cardiovascular and nervous systems.
6. Describe the uricosuric mechanism of probenecid.
7. Describe how ticlopidine prevents platelet aggregation.
8. How does warfarin prevent blood coagulation. List two adverse effects of warfarin. (4+1)
9. Giving examples of drugs, explain the mechanism of action and list the adverse effects of Class-I antiarrhythmic drugs. (1+3+1)

Answer Briefly

(10x2=20)

10. Explain how adrenergic alpha blockers are useful in the management of hypertension.
11. Define coagulants. Give two examples
12. How does streptokinase lyse fibrin clots.
13. Give an example of a diuretic drug acting on collecting duct. List its adverse effects. (1+1)
14. Write a note on anabolic steroids.
15. Write the effects of calcitonin on calcium metabolism.
16. Write the effects of glucocorticoid on immune system.
17. Describe a method to perform the bioassay of insulin.
18. Write a note on postcoital contraception.
19. List any two uses of anti-androgens.
