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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Examination- Winter 2023

Date: 08/01/2024

Course: B. Pharmacy

<https://pharmacyindia.co.in>

Semester: V

Subject Name: Pharmacology- II

Subject code: BP503T

Max Marks: 75

Duration: 3 Hr.

Instructions to candidate:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Illustrate your answers with diagrams wherever necessary.

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Q.1. Objective Type Questions (Answer all the questions)

(10×2)=20

- ~~i.~~ Define arrhythmia. Write causes of arrhythmia <https://pharmacyindia.co.in>
- ~~ii.~~ Explain Biosynthesis and physiological role of 5HT
- ~~iii.~~ Explain MOA of DPP4-inhibitors.
- ~~iv.~~ Explain why potassium sparing diuretics given with loop diuretics.
- ~~v.~~ Explain different classes of angina.
- ~~vi.~~ Classify NSAID with suitable examples. <https://pharmacyindia.co.in>
- ~~vii.~~ Write the principles of Bioassay.
- ~~viii.~~ Enlist hormone secreted by pituitary gland.
- ~~ix.~~ Explain MOA of Aspirin as a antiplatelet agent
- ~~x.~~ Classify antihypertensive agents.

Q.2. Long Answers (Answer 2 out of 3) <https://pharmacyindia.co.in>

(2×10)=20

- ~~i.~~ Explain Pathophysiology of CHF. Classify the drug's use in treatment of CHF. Explain Pharmacology of digitalis.
- ~~ii.~~ What are Autocoids? Classify them. Explain synthesis, release and pharmacology of Histamine. Classify anti-histaminic drugs and write MOA, pharmacokinetics, AE of H₁ receptor antagonists.
- ~~iii.~~ Classify oral anti-diabetic drugs with examples and explain the MOA, Pharmacokinetics, AE of Biguanides and PPAR gamma activators.

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Q.3. Short Answers (Answer 7 out of 9)

(7×5)= 35

~~i.~~ Write a note on Plasma Volume Expander.

~~ii.~~ Classify Antigout drugs. Explain MOA, Pharmacokinetics, AE of Allopurinol.

iii. Classify fibrinolytic agents. Add and note on Streptokinase.

half iv. Write a note on SERM. *selective Estrogen receptors modulators*

~~v.~~ Define bioassay. Explain bioassay of oxytocin.

~~vi.~~ Classify diuretics. Explain MOA and AE of loop diuretics.

~~vii.~~ Write note Thyroid hormones analogues and their inhibitors.

~~viii.~~ Classify Anti-hyperlipidemic drugs. Explain MOA of statins and Bile acid sequestrants.

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~~ix.~~ Explain shock and give clinical classification of shock.

----- End of Paper -----

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