Code: BP404T

R19

B.Pharm II Year II Semester (R19) Regular & Supplementary Examinations September 2022

PHARMACOLOGY – I

Time: 3 hours Max. Marks: 75

PART – A

(Compulsory Question)

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1 Answer the following: (10 X 02 = 20 Marks)

(a) Define idiosyncrasy.
(b) Define antagonist with examples.
(c) What is pharmacovigilance?
(d) What is adverse drug reaction?
(e) Write any two sympatholytic drugs.
(f) Define glaucoma and its types.
(g) Write ADR and uses of phenytoin.
(h) Write any two drugs act on GABA receptor.
(i) Name two abuse drugs.
(j) Write about extra pyramidal side effects.

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

2 (a) Name the various routes of drug administration.
(b) Explain in detail about different routes of administration.

3 (a) Classify skeletal muscle relaxants.
(b) Write a note on depolarizing and non-depolarizing muscle relaxants.

4 (a) Classify opioid analgesics.
(b) Write the pharmacological action, therapeutic uses and ADR of morphine.

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

5 Write a short note on enzyme inhibition.

6 Write a note on drug-drug interaction.

7 Write the causes and treatment of myasthenia gravis.

8 Difference between benzodiazepines and barbiturates.

9 Define parkinsonism. Classify the drugs used in parkinsonism.

10 Write about JAK-STAT binding receptor.

11 Define neurotransmitter and classification of neurotransmitter.

12 Write the treatment of alcohol addiction.

13 Write a note on opioid antagonist.

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Code: BP404T

R19

B.Pharm II Year II Semester (R19) Supplementary Examinations March 2022

PHARMACOLOGY – I

Time: 3 hours Max. Marks: 75

PART – A

(Compulsory Question)

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1 Answer the following: (10 X 02 = 20 Marks)

(a) What is agonist and antagonist?
(b) Write the advantages and disadvantages of sublingual route of administration.
(c) Define enzyme inhibition. Give example of drugs which inhibit drug metabolizing enzyme.
(d) Mention types of muscarinic receptors.
(e) What is therapeutic index?
(f) What is neurohumoral transmission?
(g) Define Myasthenia gravis and mention drugs used in Myasthenia gravis.
(h) Define epilepsy and mention different types of epilepsy.
(i) Write about types of opioid receptors.
(j) Classify ganglionic stimulant.

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

2 (a) Explain the factor modifying drug action.
(b) Discuss the various route of drug administration.

3 (a) Discuss about the pharmacology of cholinesterase inhibitors.
(b) Discuss about the pharmacology of adrenergic agonists.

4 (a) Classify anti-depressants. Explain the pharmacology of tricyclic antidepressants.
(b) Write a note on drug abuse.

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

5 Write a note on G protein coupled receptors.

6 Discuss in detail about drug discovery flow chart.

7 Classify adrenergic drugs and explain pharmacology of adrenaline.

8 With a neat sketch, explain neurotransmission in adrenergic nervous system.

9 Write a note on excitatory neurotransmitters present in CNS.

10 Explain the pharmacology of Levodopa.

11 Explain the pharmacology of Phenytoin.

12 Write the significance of lithium salts as antipsychotic drug.

13 Explain in detail about pharmacokinetic drug interactions.

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Code: BP404T

R19

B.Pharm II Year II Semester (R19) Regular Examinations September 2021

PHARMACOLOGY – I

Time: 3 hours Max. Marks: 75

PART – A

(Compulsory Question)

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1 Answer the following: (10 X 02 = 20 Marks)

(a) What are the different sources of drugs?
(b) What is tachyphylaxis and synergism?
(c) Define drug dependence.
(d) Write the advantages and disadvantages of oral route of administration.
(e) What is first pass metabolism?
(f) Define enzyme induction. Give example of drugs which induce drug metabolizing enzyme.
(g) Define receptors. Mention different types of cholinergic receptors.
(h) Write a short note on disulfiram.
(i) Classify antipsychotic drugs.
(j) Define glaucoma and mention drugs used in glaucoma.

PART – B

(Answer any two questions: 02 X 10 = 20 Marks)

2 (a) Discuss about mechanism of drug action.
(b) Explain in detail about G protein coupled receptors.

3 (a) Classify anticholinergic drugs. Write about atropine pharmacological action.
(b) Discuss about pharmacology of Skeletal muscle relaxant.

4 (a) Classify antipsychotic drugs. Write about pharmacology of chlorpromazine.
(b) Explain the mechanism of action of anti epilepsy drugs.

PART – C

(Answer any seven questions: 07 X 05 = 35 Marks)

5 (a) Explain in detail about enzyme induction and enzyme inhibition.
(b) Write a short note on renal clearance of drugs.

6 (a) Enumerate the phases of clinical trials.
(b) Write a note on adverse drug reaction.

7 (a) Classify local anaesthetics. Write the pharmacology of procaine.
(b) Classify Neuromuscular blocking agents.

8 (a) Write a short note on centrally acting muscle relaxant.
(b) Describe the stages of general anaesthetics.

9 (a) Discuss the pathophysiology of Parkinson's disease.
(b) Write a note on drugs available for Parkinson's disease.

Contd. in page 2

10 (a) Discuss the pharmacology of morphine.
(b) Explain mechanism of action of diazepam.

11 (a) Discuss the pharmacological actions of sedatives.
(b) Write a short note on drug abuse.

12 (a) Write in detail about CNS stimulant.
(b) What are opioid antagonists with suitable examples?

13 (a) Write a note on competitive antagonist.
(b) Explain about the mechanism of action of xylocaine and amitriptyline.

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