

B.Pharm III Year II Semester (R19) Regular Examinations July/August 2022

PHARMACOLOGY – III

Time: 3 hours

Max. Marks: 75

PART – A

(Compulsory Question)

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

- | | |
|---|----|
| (a) Classify antiasthmatic agents. | 2M |
| (b) Define systemic antacids. | 2M |
| (c) Define the term antibiotic. Examples for different generations of cephalosporins. | 2M |
| (d) Write a note on cotrimoxazole. | 2M |
| (e) Classify antileprotic agents. | 2M |
| (f) Write a note on Amphotericin B. | 2M |
| (g) Define monoclonal antibodies with examples. | 2M |
| (h) Write Adverse effects of anticancer chemotherapy. | 2M |
| (i) Give examples for subacute toxicity of drugs. | 2M |
| (j) Antidotes used in the treatment organophosphorus poisoning. | 2M |

PART – B

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

- | | |
|--|----|
| 2 (a) Classify antiulcer. Explain the pharmacology of proton pump inhibitors. | 5M |
| (b) Classify antimicrobial agents according to the site of action. | 5M |
| 3 (a) Classify antitubercular agents. Explain the mode of action, pharmacokinetics and adverse effects of isoniazid. | 5M |
| (b) Write pharmacology of antiretroviral agents. | 5M |
| 4 (a) Write clinical symptoms and management of acute poisoning and dependence with morphine. | 5M |
| (b) Classify and describe the mechanism of action of immunosuppressants. Enumerate the therapeutic uses of immunosuppressants. | 5M |

PART – C

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

- | | |
|--|----|
| 5 (a) Write management of chronic obstructive pulmonary disorder. | 3M |
| (b) Give classification and mode of action of nasal decongestants. | 2M |
| 6 (a) Write a note on emetics. | 2M |
| (b) Describe the mode of action of antiasthmatic agents. | 3M |
| 7 (a) Write a note on pharmacology of macrolides. | 2M |
| (b) Explain about beta lactamase inhibitors. | 3M |
| 8 (a) Classification of anthelmintic with their mode of action. | 3M |
| (b) Classify antimalarial agents according to the site of action. | 2M |

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B.Pharm III Year II Semester (R19) Supplementary Examinations January/February 2023
PHARMACOLOGY - III

Time: 3 hours

Max. Marks: 75

PART – A
 (Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- | | |
|--|----|
| (a) Classify antitussive agents. | 2M |
| (b) What are the drugs used for constipation. | 2M |
| (c) Define chemotherapy. Mention the mechanism of action of sulphonamides. | 2M |
| (d) Write about Probenecid and penicillins. | 2M |
| (e) Classify anthelmintics. | 2M |
| (f) What are Protease inhibitors? | 2M |
| (g) What is the mechanism of action of alkylating agents? | 2M |
| (h) Define biosimilars with examples. | 2M |
| (i) Define the terms carcinogenicity and mutagenicity. | 2M |
| (j) Define chronotherapy with suitable examples. | 2M |

PART – B

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

- | | |
|--|----|
| 2 (a) Classify antiasthmatics agents. Explain the pharmacology of beta 2 receptor adrenergic agents. | 5M |
| (b) Describe the various mechanisms of development of antimicrobial resistance. | 5M |
| 3 (a) Classify antimalarial agents according to the site of action. Explain the mode of action, pharmacokinetics and adverse effects of chloroquine. | 5M |
| (b) Classify antiemetic agents and describe their mechanism of action. Mention the adverse effects and therapeutic uses of ondansetron. | 5M |
| 4 (a) Clinical symptoms and management of acute and chronic poisoning with arsenic. | 5M |
| (b) Classify anticancer agents. Describe the pharmacology of antimetabolites. | 5M |

PART – C

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

- | | |
|--|----|
| 5 (a) Describe the pharmacology of antidiarrhoeal agents. | 3M |
| (b) Write about Respiratory stimulants. | 2M |
| 6 (a) Discuss about Appetite stimulants. | 3M |
| (b) Write about Pharmacology of sucralfate. | 2M |
| 7 (a) Write about Pharmacology of aminoglycosides. | 3M |
| (b) Write about Tetracyclines – mechanism, uses and adverse effects. | 2M |
| 8 (a) Classification and mode of action of antileprotic agents. | 3M |
| (b) Classify antiviral agents. | 2M |

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B.Pharm III Year II Semester (R15) Supplementary Examinations January/February 2023
PHARMACOLOGY – II

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What are ACEI drugs? Give some examples.
 - (b) What is the basic mechanism of Class III anti arrhythmic drugs?
 - (c) Classify antiplatelets and give some examples.
 - (d) Classify anticoagulants with some examples.
 - (e) State the meaning of expectorant and name one drug used as expectorant.
 - (f) State the meaning of antitussive and name one drug used as antitussive.
 - (g) What are the physiological actions of prostaglandins?
 - (h) Write the synthesis, storage and release of serotonin.
 - (i) Write a note on methimazole.
 - (j) What are uterine relaxants? Write its clinical uses.

PART – B
(Answer all the questions: 05 X 10 = 50 Marks)

- 2 Write mechanism of actions, indications and adverse reactions of following:
- (i) Reserpine.
 - (ii) Ivabradine.

OR

- 3 Write mechanism of actions, indications and adverse reactions of:
- (i) Verapamil. (ii) Dobutamine.

- 4 (a) Write a short note on fibrinolytics.
(b) Write about coagulants.

OR

- 5 Explain about pharmacology of clopidogrel and dipyridamole.

- 6 Write mechanism of actions, indications and adverse reactions of:
- (i) Ipratropium. (ii) Budesonide.

OR

- 7 Write about pharmacology of Salmeterol.

- 8 Write the pharmacology of Histamine.

OR

- 9 Write the pathophysiological role of prostaglandins.

- 10 Classify oral hypoglycemic. Write about metformin.

OR

- 11 Write following mechanism of actions, indications and adverse reactions:
- (i) Acarbose.
 - (ii) Thyroxine.

B.Pharm III Year II Semester (R15) Supplementary Examinations March 2022
PHARMACOLOGY – II

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is membrane stabilizing effect? Name one drug showing it.
 - (b) What are ACEI drugs? Give some examples.
 - (c) Define plasma expanders with one example of it.
 - (d) What is meant by high ceiling diuretics? Give one example.
 - (e) State the meaning of expectorant and name one drug used as expectorant.
 - (f) Name any four angiotensin converting enzyme blockers.
 - (g) How 5HT₃ receptors play role in body? Mention one drug acting on it.
 - (h) Mention the activities by prostacyclin in human body.
 - (i) Give indications of carbonic anhydrase inhibitors.
 - (j) State effect of misoprostol on uterus.

PART – B
(Answer all the questions: 05 X 10 = 50 Marks)

- 2 (a) Write mechanism of actions, indications and adverse reactions of:
(i) Verapamil. (ii) Dobutamine.
(b) Write pharmacology of propranolol.
- OR**
- 3 (a) Write pharmacology (pharmacokinetic, pharmacodynamics with dosages for indications and adverse reactions) of nifedipine.
(b) Write mechanism of actions, indications and adverse reactions of:
(i) Clonidine. (ii) Amiodarone.
- 4 (a) Write mechanism of actions, indications and adverse reactions of:
(i) Urokinase. (ii) Iron Gluconate.
(b) Write pharmacology of clopidogrel.
- OR**
- 5 (a) Write mechanism of actions, indications and adverse reactions of:
(i) Methylcobalamin. (ii) Apixaban.
(b) Write pharmacology of heparin.
- 6 (a) Write mechanism of actions, indications and adverse reactions of:
(i) Ipratropium. (ii) Budesonide.
(b) Write pharmacology of formoterol.
- OR**
- 7 (a) Write pharmacology of carbonic anhydrase inhibitor.
(b) Write mechanism of actions, indications and adverse reactions of:
(i) Cromolyn sodium. (ii) Cough suppressants.

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B.Pharm III Year II Semester (R15) Supplementary Examinations July/August 2022
PHARMACOLOGY – II

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Discuss the importance of sympathoplegics.
 - (b) Enlist various adrenergic receptor antagonist used for hypertension. Write down the difference between absorption and adsorption?
 - (c) Give the mechanism of action of clopidogrel.
 - (d) Discuss the significance of plasma expanders.
 - (e) Write a short note on potassium sparing diuretics.
 - (f) Discuss the significance of any two antidiuretics and mention their side effects also.
 - (g) Discuss the importance of second-generation antihistaminic drugs.
 - (h) Classify serotonin receptors and their physiological role.
 - (i) Discuss in brief about pharmacotherapy of acromegaly.
 - (j) Write a short note on drugs acting by the release of insulin (insulin secretagogues).

PART – B
(Answer all the questions: 05 X 10 = 50 Marks)

- 2 (a) Elaborate in detail RAS system involved in hypertensive patients along with the suitable set of drugs used for the treatment.
- (b) Define the term cardiomyopathy. Enlist the pathophysiological changes encountered with such patients.

OR

- 3 (a) Explain in detail about different types of arrhythmias.
- (b) Elaborate the pathophysiology linked with angina pectoris. What are the best set of drugs which can be used for treating the same?
- 4 (a) Classify various coagulating agents.
- (b) What are plasma expanders? What are its different types along with their applications in various diseases?

OR

- 5 (a) Classify hematinic agents along with major side effects of each class.
- (b) Classify different fibrinolytic and anti-fibrinolytic agents? Explain with examples.
- 6 (a) Explain the phenomenon of urine formation in detail along with the diagram.
- (b) What are anti-diuretic agents? Give a detailed classification of the same.

OR

- 7 (a) Give the classification of anti-asthmatic drugs. Explain first line therapy used for the treatment of asthma.
- (b) Give in detail the conditions in which respiratory stimulants are used.

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B.Pharm III Year II Semester (R15) Regular & Supplementary Examinations October/November 2020
PHARMACOLOGY – II

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- What are ACEI drugs? Give some examples.
 - Define atherosclerosis, angina pectoris & myocardial infarction.
 - What are hematonics? Give some examples?
 - Classify anticoagulants with some examples.
 - Define expectorants. Write the clinical uses of expectorants.
 - Write a note on leukotriene antagonists.
 - Write a note on Triple response.
 - Write the synthesis, storage and release of serotonin.
 - Write a note on methimazole.
 - Write the clinical uses of uterine stimulants.

PART – B
(Answer all five units, 5 X 10 = 50 Marks)**UNIT – I**

- 2 (a) Write the pharmacology of digitalis in CHF.
(b) Write the treatment in anaphylactic shock.

OR

- 3 (a) Write a note on vasodilators, beta blockers.
(b) Classify antiarrhythmics. Write the pharmacology of class-II antiarrhythmic drugs.

UNIT – II

- 4 (a) Write the pharmacology of coumarin derivatives.
(b) Write a note on: (i) Urokinase. (ii) Tranexamic acid.

OR

- 5 (a) Write the pharmacology of clopidogrel and dipyridamole.
(b) Write a short note on cyanocobalamin and folic acid.

UNIT – III

- 6 (a) Explain the pharmacology of bronchodilators.
(b) Write about aldosterone antagonist and loop diuretics.

OR

- 7 (a) Write a note on mucolytic.
(b) Write the pharmacology of vasopressin.

UNIT – IV

- 8 (a) Write about pharmacological actions of serotonin.
(b) Write about histamine and serotonin receptors.

OR

- 9 (a) Write the pathophysiological role of prostaglandins.
(b) Write a short note on Thromboxane.

UNIT – V

- 10 (a) Write the pharmacology of insulin.
(b) Write a note on sulfonylureas.

OR

- 11 (a) Write the pharmacology of thiocyanates and radioactive iodine.
(b) Explain about glucocorticoids.
