

6/7/22 M

Roll Number ----- (Total Number of Questions 13) (Total number of Printed Pages 01)

Programme	B. Pharmacy
Semester	5 th
Subject	Pharmacology-II
Subject Code	BP503T
Paper ID	76788
Time	3Hours
Maximum Marks	75

Instructions to Candidates: No supplementary/continuation sheet will be issued to the candidates. Answer the questions precisely.

*Section A consists of Ten parts of 2 marks each (Objective Type); Attempt **ALL**.

Section B consists of Three questions carrying 10 marks each (Long Answer); attempt any **TWO.

***Section C consists of Nine questions carrying 5 marks each (Short Answer); attempt any **SEVEN**.

Section A**(10 X 2 = 20)**

1. Give very short answers to the followings (2 marks each):

i.	Enlist the two antihypertensive drugs used during the pregnancy.
ii.	Write the mode of action of atorvastatin.
iii.	Write the role of substance-P in the pain pathway.
iv.	Write the mechanism action of sumatriptan.
v.	Define oxytocics with two examples.
vi.	Define anabolic steroids.
vii.	Write the indication of SERMs.
viii.	What are indications of urokinase?
ix.	Write two examples of glycoprotein receptor antagonists.
x.	Write the mode of action of Digoxin.

Section B**(2 X 10 = 20)**

2.	Classify autacoids. Discuss the physiological role of 5-HT and their related drugs.
3.	Classify antihypertensive drugs. Mention mode of action of telmisartan.
4.	Discuss the classification and pharmacology of NSAIDs.

Section C**(7 X 5 = 35)**

5.	Write a short note on plasma volume expander and mention clinical indication of them.
6.	Write a note on anti-gout drugs.
7.	Write a brief note on Fibrinolytics.
8.	Write a short note on drugs act on the uterus.
9.	Classify diuretic and add note on potassium sparing diuretic.
10.	Enumerate principal and application of bioassay.
11.	Add brief note on oral hypoglycaemic drugs.
12.	Classify anti-thyroid drugs and mention the difference between propylthiouracil and carbimazole.
13.	Write short notes on oral contraceptive drugs.

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2/12/21

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Section A

(10 X 2 = 20)

1. Give very short answers to the followings (2 marks each):

i.	Write two examples of HMG-COA Reductase inhibitors.
ii.	What are Uterine Stimulants?
iii.	Write use of Carbimazole.
iv.	Write down the side effects of Azathioprine.
v.	Write uses of Diuretics.
vi.	Define anticoagulants with example.
vii.	What are side effects of ACE inhibitors?
viii.	Name any two H1 antagonist agents.
ix.	Write name of two calcium channel blockers.
x.	Explain Matching Bioassay.

Section B

(2 X 10 = 20)

2.	Classify Antihypertensive agents with example. Discuss pharmacology of Diuretics and Vasodilators in treatment of hypertension.
3.	Define and classify NSAIDS. Write mechanism of action, adverse effects and uses of Paracetamol and Acetofenac.
4.	Define and classify oral hypoglycaemic drugs. Explain the pharmacology of Tolbutamide.

Section C

(7 X 5 = 35)

5.	Write a note on Coagulants.
6.	Write about Oral Contraceptives.
7.	Describe the applications and principal of Bioassay.
8.	Describe the mechanism of action, side effects and uses of Aspirin.
9.	Write a note on potassium sparing Diuretics.
10.	Describe DMARDs.
11.	Write a short note on Plasma Expanders.
12.	Discuss mechanism of action of Nitrites and Nitrates.
13.	Discuss pharmacology and uses of Digoxin.

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21

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(10 X 2 = 20)

Section A

1. Give very short answers to the followings (2 marks each):

i.	What is the significance of Bioassay?
ii.	Name class III anti-arrhythmic agents.
iii.	What is the use of Alteplase?
iv.	Define Fenofibrate. Where it is used?
v.	What is sequential regimen of oral contraceptive pill?
vi.	What are plasma volume expanders? Give two examples.
vii.	How aspirin is useful as anti-platelet agents?
viii.	What are anabolic steroids? Give two examples.
ix.	Write the use of Statins.
x.	What are Leukotrienes? Give examples.

(2 X 10 = 20)

Section B

2.	Classify oral hypoglycaemic agents and discuss mechanism of action and side effects of sulphonyl ureas.
3.	Write an exhaustive note on pharmacology of anti-anginal drugs.
4.	What are oral contraceptives? Indicate various oral pills and discuss mechanism of action of oral contraceptives.

Section C

(7 X 5 = 35)

5.	Add a brief note on drug therapy of shock.
6.	Write a note on therapeutic uses and side effects of corticosteroids.
7.	Classify anti-thyroid drugs. Explain the mechanism of action of thioureas.
8.	Give an account note on HMG-CoA reductase inhibitors as anti-hyperlipidemic agents.
9.	What are Autocoids? Write a note on bradykinin and substance P.
10.	Explain bioassay of insulin.
11.	Explain the mechanism of action of heparin.
12.	How nitrates exert their vasodilatory and anti-anginal actions?
13.	Write a note on NSAIDS with suitable examples.

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Total No. of Questions : 22

B.Pharma (2017 Batch) (Sem.-5)

PHARMACOLOGY II-THEORY

Subject Code : BP503T

M. Code : 76788

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES:

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and students have to attempt any SEVEN questions.

SECTION-A

Write briefly:

1. Write two side effects of aspirin.
2. Write two uses of oxytocin.
3. What are oral contraceptives?
4. What are the side effects of ACE inhibitors?
5. Write uses of antidiuretics.
6. Name class III anti-arrhythmic agents.
7. Write mechanism of action of statins.
8. What are the advantages of newer antihistaminics over older antihistaminics?
9. What is use of alteplase?
10. What are sulfonyleureas used in diabetes?

10. What are sulfonylureas used in diabetes?

1 | M-76788

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SECTION-B

11. What are bioassays? Write its advantages and disadvantages. Classify its different types.
12. What are anti thyroid drugs? Write their mechanism of action, uses and side effects.
13. Write note on anti-gout drugs.

SECTION-C

14. Write a note on methotrexate.
15. What are leukotriene antagonists? Write their uses.
16. Write uses of antiplatelet agents
17. How ACE inhibitors are useful in CHF?
18. Explain the use of beta blockers in hypertension.
19. Explain the mechanism of action of heparin.
20. Classify diuretics.
21. What are autotoxoids? Write a note on bradykinin and substance P.
22. What are the drugs used in anaphylactic shock? Explain their rationale

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2 | M-76788

(S29)-702

Total No. of Pages : 02

Total No. of Questions : 22

B.Pharma (2017 Batch) (Sem.-5)
PHARMACOLOGY II-THEORY

Subject Code : BP-503T

M.Codo : 76788

Max. Marks : 75

Time : 3 Hrs.

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SECTION-A

Write briefly :

1. What are inodulators used in heart failure?
2. What are centrally acting anti-hypertensive agents? Give two examples.
3. What is spironolactone? Highlight therapeutic implications of it.
4. What is fenoibrate? Where it is used?
5. What is acarbose?
6. What is sequential regimen of oral contraceptive pill?
7. What are SERM? Give two examples.
8. What is bio-assay? Indicate various types of bioassay.
9. Name two corticosteroids used as aerosols.
10. What are plasma volume expanders? Give two examples.

SECTION-B

11. Classify anti-hypertensive drugs and discuss pharmacology of beta-blockers.
12. Write an exhaustive note on NSAIDs.
13. What are oral contraceptives? Indicate various oral pills and discuss mechanism of action of oral contraceptives.

SECTION-C

14. How nitrates exert their vasodilatory and anti-anginal actions?
15. Add a brief note on drug therapy of shock.
16. Write a note on therapeutic uses and side effects of corticosteroids.
17. Discuss clinical uses and side effects of diuretics.
18. Add a note on leukotrienes.
19. Explain mechanism of action and side effects of sulphonyl ureas as oral hypoglycaemic agents.
20. Write a brief note on fibrinolytics.
21. Write a brief note on oral anti-coagulants.
22. Add a note on bioassay of digitalis

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21 M-76788

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11 M-76788

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SECTION-A

1. Write briefly :
 - a) Name two class-I anti-arrhythmic drugs.
 - b) Name two angiotensin receptors blockers used as anti-hypertensives
 - c) How aspirin is useful as anti-platelet agent?
 - d) What is Ritodrine?
 - e) What are leukotrienes? Give examples.
 - f) What are Oxytocics? Give two examples.
 - g) What are anabolic steroids? Give two examples.
 - h) What are quantal and graded bio-assays?
 - i) What is nitrate tolerance?
 - j) What is finasteride?

SECTION-C

5. What is congestive heart failure? Discuss mechanism of action of digitalis in congestive heart failure.
6. Add a note on HMG-CoA reductase inhibitors as anti-hyperlipidemic agents.
7. Write a note on plasma volume expanders.
8. Write a note on loop diuretics.
9. Add a note on prostaglandins.
10. Write a note on thioureas as anti-thyroid drugs.
11. Add a brief note on anti-platelet drugs.
12. Explain side effects of oral contraceptives.
13. Add a note on bioassay of Insulin.

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