

End Semester / Reappear (Semester V) Examination Dec 2022

Programme: B. Pharm
Course: Pharmacology II
Course Code: BP503T
Enrollment No: _____

Full Marks: 75
Time: 3Hrs.

Section I

1. Objective type questions. Answer all questions.

20x1=20

- i. Somatostatin is secreted by
a. β -cell b. γ -cell c. δ -cell d. α -cell
- ii. Angiotensin II causes rise in blood pressure by
a. Direct vasoconstriction c. Increasing central sympathetic tone
b. Releasing adrenaline from adrenal medulla d. All of the above.
- iii. Which of the following is not released by anterior pituitary gland?
a. Prolactin b. ADH c. FSH d. TSH
- iv. All of these drugs are antiplatelet agents EXCEPT:
a. Aspirin b. Urokinase c. Ticlopidine d. Clopidigrel
- v. Aspirin is used as
(a) Analgesic (b) Antipyretic (c) Anti-inflammatory (d) All of these
- vi. Angiotensin enhances release of
(a) Noradrenaline (b) Acetylcholine (c) Both A and B (d) None of these.
- vii. Bradykinins causes
(a) Dilation of blood vessels (b) Dilation of muscles
(c) Contraction of blood vessels (d) Contraction of muscles
- viii. One of the following drug used as Antiplatelet
(a) Clopidogrel (b) Atenolol (c) Streptokinase (d) Tocilizumab
- ix. Estimation of amount of biological activity In unit quantity known as
(a) Biological equivalence (b) Bioassay (c) Bioactivity (d) Biosynthesis
- x. Choose the appropriate statement
(a) Estrogen and progesterone have androgen action (c) Estrogen is androgen
(b) Estrogen and progesterone have antiandrogen action (d) None of these
- xi. Antagonistic action of Calcitonin is by
(a) Parathormone (b) Estrogen (c) Progesterone (d) T3
- xii. Choice of drug in motion sickness is
(a) Promethazine (b) Chlorpromazine (c) Ceterizine (d) None of these
- xiii. Aspirin at lower doses used as
(a) Analgesic (b) Antipyretic (c) Antiplatelet (d) Antidiuretic
- xiv. Which drugs used in treatment of rheumatoid arthritis
(a) Immunostimulants (b) Imunosuppressants (c) Both A and B (d) None of these
- xv. Allopurinol is used in treatment of
(a) Rheumatoid arthritis (b) Arthritis (c) Gout (d) Osteoarthritis.

- xvi. Aspirin is contraindicated in
(a) Peptic ulcers (b) Pain (c) Fever (d) Pregnancy
- xvii. Gold compounds used in treatment of
(a) Rheumatoid arthritis (b) Arthritis (c) Gout (d) Osteoarthritis
- xviii. The endocrine system coordinates body activities and maintain homeostasis through
(a) Electrical impulses (b) Neurological Impulses (c) Adrenaline (d) Chemical Messenger
- xix. Angiotensin II receptor antagonist:
(a) Losartan (b) Hydralazine (c) Captopril (d) Hydralazine
- xx. Which of the following hormone is produced by thyroid gland?
(a) Thyrotropine releasing hormone (b) Triiodothyronine
(c) Thyroid stimulating hormone (d) Thyroglobulin

Section II

2. Short Answer type questions. Answer any five.

5x7=35

- Write the classification of Antihypertensive drugs with examples and explain the role of beta blockers in treatment of Hypertension
- Write a short note on iron absorption and transport
- Write the classification of drugs used in shock
- Describe the pharmacology of histamine
- Explain insulin secretion from pancreatic cell in detail with diagram
- What is the difference between testosterone and DHT. Explain the side effects of DHT
- A patient was given sequential oral contraceptive. Write the regimen and also mention its composition

Section III

Long Answer type questions. Answer any two.

2x10= 20

- Write mechanism of action of cardiac glycoside with a neat diagram. Describe the pharmacology of calcium channel blockers.
- A milkman is very upset one morning as his cow refuses to give any milk. The milkman's wife gets the calf from the shed. On fondling by the calf, the cow gave sufficient milk. Describe the role of endocrine gland and the pathway associated with this response?
- A man was stung by honeybee. There was inflammation and then the inflammation was reduced. What was responsible for suppression of inflammation. Write the type of receptors involved for each type.
