

SUM-2023
15/5/23

Seat Number

--	--	--	--	--	--

CJ-09

BP-503-T
Pharmacology-II
(735503)

Total Pages : 6]

Time : 3 Hours

Max. Marks : 75

- Note :** (1) Do not write anything on question paper except Seat No.
- (2) Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
- (3) Students should note, no supplement will be provided.
- (4) All questions are compulsory.
- (5) Figures to right indicate full marks.

1. Multiple choice questions : 20

(i) Principal source of oestrogen in post-menopausal women is :

- | | |
|--------------------|-------------------|
| (a) Placenta | (b) Ovary |
| (c) Adipose tissue | (d) Adrenal gland |

(ii) Oxytocin is a :

- | | |
|------------------|------------------|
| (a) Pentapeptide | (b) Heptopeptide |
| (c) Octapeptide | (d) Decapeptide |

P.T.O

(iii) Antithyroid drug except clinical utility.

- (a) Propyl thiouracil
- (b) Potassium thiocyanate
- (c) Methimazole
- (d) Carbimazole

(iv) Which of the following is naturally occurring female hormone ?

- (a) Estradiol
- (b) Estriol
- (c) Mestranol
- (d) Estrone

(v) Which drug increases ADH effect ?

- (a) Lithium
- (b) Colchicine
- (c) Vinca Alkaloid
- (d) All of these

(vi) The cardiac glycoside which almost completely absorbed from gut is :

- (a) Digitoxin
- (b) Ouabain
- (c) β -Methyldigoxin
- (d) Digoxin

(vii) Digitalis toxicity can be treated by all of the following except :

- (a) Phenytoin
- (b) Lidocaine
- (c) Propranolol
- (d) Cardioversion

(viii) The antiarrhythmic drug with minimum anti-muscarinic action is :

- (a) Quinidine
- (b) Disopyramide
- (c) Procainamide
- (d) Imipramine

(ix) Which of the following is not anti-arrhythmic as well as anti-anginal ?

- (a) Bretyllium
- (b) Sotalol
- (c) Aminodurone
- (d) Verapamil

(x) Calcium channel blockers act by blocking entry of calcium through :

- (a) L-type
- (b) T-type
- (c) P-type
- (d) N-type

(xi) The drug having both diuretic and vasodilator activity :

- (a) Chlorthalidone
- (b) Amiloride
- (c) Chlorthiazide
- (d) Indapamide

(xii) Secretion of renin is increased by :

- (a) Enalapril
- (b) *d*-methyldopa
- (c) Propranolol
- (d) Guanethidine

(xiii) Angiotensin II :

- (a) Is increased in presence of enalapril
- (b) Causes drop in aldosterone level
- (c) Can result in water retention
- (d) Increase sodium excretion

(xiv) Calcium channel blocker with predominant peripheral action is :

- (a) Nicardipine
- (b) Verapamil
- (c) Nifedipine
- (d) Diltiazem

(xv) Aspirin should not be used in :

- (a) Gout
- (b) Myocardial infarction
- (c) Both (a) and (b)
- (d) None of these

(xvi) Amylnitrate is given :

- (a) Sublingually
- (b) Orally
- (c) Inhalation
- (d) Intramuscular

(xvii) Iron absorption is increased by :

- (a) Antacid
- (b) Reducing substance
- (c) Phytates
- (d) Tetracycline

(xviii) The route by which heparin is not administered is :

- (a) S.C. (b) I.M.
- (c) I.V. (d) None of these

(xix) The drug which prevent Fibronolysis :

- (a) Autoplex (b) Aspirin
- (c) Tranexamic acid (d) Danazol

(xx) H_2 receptor situated at :

- (a) Smooth muscle
- (b) Cardiac muscle
- (c) Gastric muscle
- (d) Brain myenteric plexus

35

2. Solve any seven :

- (i) Write a note on Anti-hyperlipidemic drug.
- (ii) Write in detail pharmacology of prostaglandins.
- (iii) Which drug is used in the therapy of shock ?
- (iv) Explain the pharmacology of thyroid hormone.
- (v) Write a note on drug acting on the uterus.
- (vi) Write a note on congestive heart failure.
- (vii) Explain hemodynamic and electrophysiology of heart.

(viii) Define fibronolysis. Give the classification and MOA of fibronolytic drugs.

(ix) Explain principle and application of bioassay.

3. Solve any *two* :

20

(i) Explain the bioassay of Insulin, histamine and digitalis.

(ii) Classify NSAID. Add a note on pharmacology of salicylates.

(iii) Explain the pharmacology of Estrogens.