

B. Pharm. CBCS Pattern Semester-V
BP503T - Pharmacology-II

P. Pages : 2

Time : Three Hours



GUG/W/23/13183

Max. Marks : 75

- Notes :
1. Illustrate your answers wherever necessary with the help of neat sketches.
 2. All questions are compulsory.

1. Multiple Choice Questions.

**20x1
=20**

- 1) Which of the following property of heart-----
 - a) Automaticity
 - b) Conductivity
 - c) Rhythmicity
 - d) All of above
- 2) Digoxin is mainly used in the treatment of following:
 - a) Hypertension
 - b) Angina
 - c) Arrhythmia
 - d) CHF
- 3) Which chemicals causes inflammation:
 - a) Prostaglandins
 - b) Bradykinin
 - c) Histamine
 - d) All of the above
- 4) Selective COX-II inhibitor:
 - a) Nimesulide
 - b) Diclofenac
 - c) Celecoxib
 - d) All of above
- 5) Metabolite of histamine is:
 - a) N-methyl imidazole acetic acid
 - b) Diamine oxidase
 - c) Histidine
 - d) Methyl histidine
- 6) 5-HT antagonist is:
 - a) Cyproheptadine
 - b) Ketanserin
 - c) Almotriptan
 - d) a and b
- 7) Which of the following drug used in hypovolemic shock:
 - a) Dextran 40
 - b) Corticosteroids
 - c) Hypertonic saline solution
 - d) All of above
- 8) A chemical which is being secreted by ductless gland is called:
 - a) Endocrine hormone
 - b) Exocrine hormone
 - c) Autocoids
 - d) All of above
- 9) Rickets is caused due to:
 - a) Vitamin A
 - b) Vitamin C
 - c) Vitamin B1
 - d) Vitamin D
- 10) The hormone that suppresses the immune system is:
 - a) Glucagon
 - b) Thymosin
 - c) Adrenaline
 - d) Cortisol
- 11) Gout is caused by-----
 - a) Hypoglycemia
 - b) Hyperlipidemia
 - c) Hyperuricemia
 - d) None of above
- 12) Which of the following hormone are secreted by thyroid gland-----
 - a) Thyroxin
 - b) Tri-iodothyronine
 - c) Calcitonin
 - d) All of above

- 13) Low level of progesterone and estrogen in blood stimulate-----
 - a) FSH-LH production
 - b) LH production
 - c) GH production
 - d) All of the above
- 14) Hormone produced in allergic reaction-----
 - a) Glucocorticoids
 - b) Mineralocorticoids
 - c) Nor epinephrine
 - d) Epinephrine
- 15) Glycogen synthesis is take place in liver by (Mostly)-----
 - a) Insulin
 - b) Glucagon
 - c) Both a and b
 - d) Thyroid
- 16) Rapid depolarization occurs in-----
 - a) Phase 1
 - b) Phase 0
 - c) Phase 3
 - d) Phase 4
- 17) Most common effect of Clonidine is-----
 - a) Dry mouth & dry eyes
 - b) Hyperkalemia
 - c) Tachycardia
 - d) All of above
- 18) Which of the following drug does not belong to calcium channel blockers-----
 - a) Verapamil
 - b) Diltiazem
 - c) Felodipine
 - d) Perindopril
- 19) Hormone of adrenal cortex are synthesized from-----
 - a) Tyrosine
 - b) Tryptophan
 - c) Cholesterol
 - d) Glycoprotein
- 20) Ovulation in human is controlled by-----
 - a) FSH and LTH
 - b) FSH and GH
 - c) LTH and LH
 - d) FSH and LH

2. Solve the following **any two**.

**2x10
=20**

- a) Classify Antihyperlipidemic drugs, Explain the complete mechanism of HMG-Co enzyme inhibitors.
- b) Define Hematinics, Explain pharmacological action, absorption and uses of Iron.
- c) Explain Hypertension, classify the drugs used in the treatments of hypertension along with the mechanism of action of ACE inhibitors in detail.

3. Solve the following **any seven**.

**7x5
=35**

- a) Explain electrophysiology of heart.
- b) Write details about Oral hypoglycemic agent? Add details about sulfonyl urea.
- c) Classify anti-anginal drugs with suitable example.
- d) Write a short note on Androgen and Anabolic steroid.
- e) Write details about Oral hypoglycemic agent? Add details about sulfonyl urea.
- f) Classify diuretic and antidiuretic drugs.
- g) What is arrhythmia? Explain re-entry phenomenon.
- h) Explain MOA of diuretic in management of hypertension.
- i) Explain electrophysiology of heart.
