

BACHELOR OF PHYSIOTHERAPY
THIRD SEMESTER
PHARMACOLOGY
BPT – 305 [REPEAT]
[USE OMR SHEET FOR OBJECTIVE PART]

SET
A

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

Marks: 20

(Objective)

1×20=20

Choose the correct answer from the following:

1. Barbiturates exert the following action except
 - a. Anti-convulsant
 - b. Analgesics
 - c. Anti anxiety
 - d. Respiratory depressant
2. Pick out the parenteral route of medicinal agent administration
 - a. Rectal
 - b. Sublingual
 - c. oral
 - d. Inhalation
3. Acetylcholine is a neurotransmitter of
 - a. Sympathetic nervous system
 - b. Parasympathetic nervous system
 - c. Sympatholytic nervous system
 - d. Others
4. General anaesthesia acts on
 - a. Whole body
 - b. Particular parts of the body
 - c. PNS
 - d. None
5. Biotransformation of the drugs is to render them
 - a. Less ionised
 - b. More pharmacologically active
 - c. More lipid soluble
 - d. Less lipid soluble
6. Pharmacodynamics means
 - a. What body does to the drug
 - b. What drug does to the body
 - c. Metabolism of drug
 - d. Others.
7. Calcium channel blockers are contraindicated in
 - a. Heart failure
 - b. Hypertension
 - c. Angina
 - d. Others
8. Receptors are usually
 - a. Lipid
 - b. Protein
 - c. DNA
 - d. None
9. Drugs are excreted from the body through
 - a. Kidney
 - b. Breast milk, saliva, sweat & bile
 - c. Intestine
 - d. All of the above

10. When a drug is administered through the layer of skin into areolar tissue
 - a. Intradermal administration
 - b. Intra arterial administration
 - c. Subcutaneous administration
 - d. Intramuscular administration
11. Which enzyme helps mammals to metabolize purine (except human)
 - a. Helicase
 - b. Uricase
 - c. Topoisomerase
 - d. Gyrase
12. Which one of the following hormone is responsible for inflammation?
 - a. Progesterone
 - b. Gonadotropin
 - c. Prostaglandin
 - d. Estrogen
13. Which of the following is a fat soluble vitamin?
 - a. Vitamin B1
 - b. Vitamin B3
 - c. Vitamin C
 - d. Vitamin K
14. What is the Full form of NSAIDs Drugs?
 - a. Non steroidal Anti inhibitory drugs
 - b. Non steroidal Anti inflammatory drugs
 - c. Non synthetical Anti Inflammatory drugs
 - d. Non synthetical Anti inhibitory drugs
15. A patient is suffering from kidney disease which medication is recommended as a treatment-
 - a. Chemotherapy
 - b. Chelating agents.
 - c. Diuretics
 - d. Immunotherapy
16. Night blindness is caused due to deficiency of
 - a. Vitamin D
 - b. Vitamin C
 - c. Vitamin B
 - d. Vitamin A
17. Which one of the following drug is act as a chemotherapeutic drug
 - a. Metformin
 - b. Sitagliptin
 - c. Acarbose
 - d. Vincristine
18. Which of the following act as a Natural Inhaler of human body?
 - a. Glucocorticoids
 - b. Mineralocorticoids
 - c. Prostanoids
 - d. All of these
19. Which one of the following hormone is released from posterior pituitary
 - a. ACTH
 - b. TSH
 - c. Oxytocin
 - d. Adrenaline
20. Which one of the following drug is act as a prominent oral hypoglycaemic agent
 - a. Metformin
 - b. Telmisartan
 - c. Thiazide
 - d. Colchicine

(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. What is Parkinsonism? Classify the anti-parkinson's drugs and write the mechanism of action of Levodopa. | 10 |
| 2. What are antibiotics? What is the mechanism of action of antibiotics? Write the pharmacology of anti-diabetic drug? | 10 |
| 3. Write the mechanism of action of NSAIDs drug? Write the name of two NSAIDs drug? | 5+5=10 |
| 4. Define Pharmacokinetics, Pharmacodynamics and Pharmacotherapeutics? Discuss about the different routes of drug administration? | 10 |
| 5. What is epilepsy? Classify the antiepileptic drugs. Write the MOA of phenytoin? | 10 |
| 6. What are diuretics? Write the mechanism of action of diuretics? Write short notes on Vitamin. | 10 |
| 7. Define receptor. Types of receptor. Write about general anaesthesia. | 10 |
| 8. What is the mechanism of Formation of Gout and what are the possible treatments of it? Write the pharmacology of corticosteroids? | 10 |

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