REV-01
DPH/54/27/32

2024/05

SET B

D.PHARM.
SECOND YEAR
PHARMACOLOGY II
ER20-21T
[USE OMR FOR OBJECTIVE PART]

Duration : 3 hrs. **Full Marks : 80**

[PART-A : Objective]

Choose the correct answer from the following: ***1×20=20***

1. Which drug is used in the treatment of Myasthenia gravis?
   a. Neostigmine b. Captopril
   c. Mebendazole d. Barbiturates
2. Chloroquine comes under which following class of Antimalarial drug?
   a. 8- aminoquinolines b. Biguanides
   c. 4- aminoquinolines d. Amino-acridines
3. Anti Metabolite drug is-
   a. Nystatin b. Fluorouracil-(5FU)
   c. Sulphonamides d. Fluconazole
4. Benzodiazepines act on which receptor?
   a. Tyrosine kinase b. GPCR
   c. Glutamate d. GABA
5. Which of the following disorder causes dopamine neurons to die?
   a. Multiple sclerosis b. Down syndrome
   c. Parkinson's diseases d. Myasthenia gravis
6. Grey baby syndrome is due to
   a. Tetracycline b. Thalidomide
   c. Chlormoprazine d. Chloramphenicol
7. Combination therapy with multiple antihypertensive agents is often recommended to achieve:
   a. Enhanced efficacy and reduced adverse effects b. Simplified dosing regimens
   c. Reduced adverse effect d. None of the above
8. Cephalosporins belong to which class of antibiotics?
   a. Macrolides b. Beta-lactam
   c. Aminoglycosides d. Tetracycline
9. Which of the following is a common side effect associated with ethambutol?
   a. Hepatoxicity b. Nephrotoxicity
   c. Eye damage d. Genotoxicity
10. Which of the following is a gaseous anaesthetic agent?
    a. Pentobarbital b. Chloroform
    c. Ether d. Nitrous oxide

11. The synthesis of more microsomal enzyme is referred as
    a. Enzyme inhibition
    b. Cytotoxic action
    c. Enzyme induction
    d. Competitive enzyme

12. Which of the following plasma protein is involved in coagulation of blood?
    a. Fibrinogen
    b. Albumin
    c. Pepsin
    d. Collagen

13. The major adverse effect of penicillin is-
    a. Nausea
    b. Hypersensitivity reaction
    c. Bradycardia
    d. Tremor

14. Which of the following cannot be treated by antiviral drugs?
    a. Warts
    b. Influenza
    c. Small pox
    d. Tuberculosis

15. Which of the following is the drug of choice in the treatment of productive cough?
    a. Noscapine
    b. Dextromethorphan
    c. Pholcodine
    d. Bromhexine

16. Atropine is contraindicated in
    a. Glaucoma and prostatic hypertrophy
    b. Hypertensive
    c. Curare poisoning
    d. Photophobia

17. The local anesthetic with the longest duration of action is-
    a. Lidocaine
    b. Dibucaine
    c. Lignocaine
    d. Procaine

18. _____ is useful in Stiffman syndrome and localized muscle spasm.
    a. Neostigmine
    b. Phenobarbitone
    c. Acetylcholine
    d. Diazepam

19. Depression is caused by deficiency of _____
    a. Amines
    b. Neurotransmitter
    c. Peptides
    d. Hormones

20. Autocoids means?
    a. Tissue collagen
    b. Tissue fats
    c. Tissue amines
    d. Tissue cells

-- --- --

(PART-B : Short Answers)

[Answer any ten (10) from the following]

[3x10=30]

1.	Write the mechanism of action and uses of sulfonamides?	2+1=3
2.	Classify cephalosporins with examples and mention the therapeutic uses.?	2+1=3
3.	Give two example of a. Proton pump inhibitors b. Anti-histamine c. Macrolides	1+1+1 =3
4.	Explain the mechanism of action of Nitrates?	3
5.	Define depression? Classify anti-depressants agents?	1+2=3
6.	Explain any two specialized transport of drug absorption with diagram?	1.5+1. 5=3
7.	Explain the phase II conjugation reaction with example?	3
8.	Describe cholinergic neurotransmission?	3
9.	Define the following a. First pass metabolism b. Enterohepatic circulation c. Biotransformation	1+1+1 =3
10.	Explain the types of biologicals?	3
11.	Define and classify anti-coagulants drug?	1+2=3

(PART-C : Long Answers)

[Answer any six (6) from the following]

[5x6=30]

1.	Classify antineoplastic drug?	5
2.	Classify anti-malarial drug?	5
3.	Explain about myasthenia gravis and the drug used in myasthenia gravis?	5
4.	Write pharmacological effects, pharmacokinetics and therapeutic uses of Barbiturates?	5
5.	Classify antihypertensive drugs with examples. Explain about diuretics?	5
6.	Explain systemic route of drug administration?	5
7.	Explain any two mechanism of drug action?	5

= = *** = =