

**B. PHARM.
SIXTH SEMESTER
PHARMACOLOGY III
BP602T [SPECIAL REPEAT]**
[USE OMR SHEET FOR OBJECTIVE PART]

**SET
A**

Duration : 3 hrs.

Full Marks : 75

[PART-A: Objective]

Time : 30 min.

Marks : 20

Choose the correct answer from the following:

1×20=20

- Which of the following used in the treatment of poisoning with heavy metals, such as arsenic, gold, lead, or mercury?
a. Cyclosporine
b. NSAIDs
c. Dimercaprol or British Anti-Lewisite (BAL)
d. 5-fluorouracil
- Methotrexate binds to which enzyme to prevents the formation of tetrahydrofolate
a. Neuraminidase
b. Transpeptidase
c. Dihydrofolate reductase
d. β -Lactamase
- Streptomycin is more effective at
a. Acidic pH
b. Alkaline pH
c. Neutral pH
d. None
- Zafirlukast is a
a. Selective COX-2 inhibitor
b. Leukotriene antagonist
c. PGE antagonist
d. Selective LOX inhibitor
- Peripheral neuritis of INH therapy in tuberculosis can be prevented by giving
a. Vitamin B1 with INH
b. Vitamin B2 with INH
c. Vitamin B6 with INH
d. Vitamin B12 with INH
- "Milk-alkali syndrome" is the adverse effect of:
a. Proton-pump inhibitors
b. H₂ antagonists
c. Muscarinic antagonists
d. Antacids
- Antidote for "Acute Morphine Poisoning"
a. Nalidixic acid
b. Naloxone
c. Ciprofloxacin
d. Flumazenil
- Which of the following drug given in combination with Sulfadoxine against malarial parasite?
a. Chloroquine
b. Primaquine
c. Pyrimethamine
d. Pentamidine
- Which one of the following is an Inhaled corticosteroid for asthma management?
a. Ipratropium bromide
b. Prednisolone
c. Budesonide
d. Salbutamol

10. Malarial parasites convert 'heme' to 'hemozoin' by the use of enzyme-
 - a. Neuraminidase
 - b. Transpeptidase
 - c. DNA polymerase
 - d. Heme polymerase
11. Which of the following is stimulant purgative
 - a. Ispaghula husk
 - b. Cisapride
 - c. Senna
 - d. Lactulose
12. Silver sulphadiazine is a
 - a. Topical Sulfonamide
 - b. Systemic Sulfonamide
 - c. Both a & b
 - d. None of the above
13. Oral contraceptives fail when use with
 - a. Rifampicin
 - b. Ethambutol
 - c. Isoniazid
 - d. Pyrazinamide
14. Which route of administration is suitable for giving Aminoglycoside agents?
 - a. Oral
 - b. Parenteral
 - c. Subcutaneous
 - d. All of the above
15. Which one of the following is the adverse effect of Chloramphenicol?
 - a. Mazzotti reaction
 - b. Cheese reaction
 - c. Churg Strauss Syndrome
 - d. Grey baby syndrome
16. Which of the following is an 5HT₃ antagonist?
 - a. Domperidone
 - b. Chlorpromazine
 - c. Ondansetron
 - d. Aprepitant
17. PPIs like Omeprazole should be taken
 - a. After 1 hr. of food
 - b. Before 1 hr. of food
 - c. With the food
 - d. None of the above
18. Oseltamivir inhibits which viral enzyme
 - a. 14 α -demethylase
 - b. Transpeptidase
 - c. Folic acid synthase
 - d. Neuraminidase
19. Which one is the first line bacteriostatic antitubercular agent?
 - a. Ethambutol
 - b. Rifampicin
 - c. Streptomycin
 - d. Linezolid
20. Which one of the following is a β -lactamase inhibitor?
 - a. Amoxicillin
 - b. Piperacillin
 - c. Cefpodoxime
 - d. Clavulanic acid

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(PART-B :Descriptive)

Time : 2 hrs. 30 min.

Marks : 35

[Answer any seven (7) questions]

1. Explain pharmacological actions and adverse effects of antimalarial agents: Chloroquine and Artemisinin. 5
2. Write down the first line treatment of tuberculosis (TB) with examples. 5
3. Write a brief note on Fluoroquinolones. 5
4. Classify anti-asthma agents. Explain the MOA of any two class of anti-asthma agents. 2+3=5
5. Define anthelmintics agents. Write down MOA of Benzimidazoles. What are the advantages of Albendazole over Mebendazole 1+2+2=5
6. Write down the mechanism of action and adverse effect of Cyclophosphamide and Methotrexate 2.5+2.5=5
7. Define circadian rhythm. Write some examples of diseases associated with circadian rhythm and application of chronopharmacology in therapeutics. 1+2+2=5
8. Write about the mechanism of action and preparation of Cotrimoxazole. 5
9. Classify anti-emetic drugs. Write mechanism of action of Domperidone. What is the advantage of Domperidone over Metoclopramide? 2+2=5

PART-C: Long type questions

[Answer any two (2) questions]

1. Write brief notes on the following (*any two*): 5+5=10
 - a. Tetracyclines
 - b. Management of diarrhoea
 - c. Macrolides
 - d. Drug used for Urinary Tract Infections (UTIs)

2. Classify antifungal agents. Write down the mechanism of action, adverse reactions and use of any three class of antifungal agents. 10

3. Write down the pathophysiology of peptic ulcer. Classify anti-ulcer agents. write down the pharmacological actions of proton-pump Inhibitors and H₂ antagonists. 3+2+5
=10

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