

QP Code: 622006

Reg. No.....

**Sixth Semester B. Pharm Degree Supplementary Examinations**  
**October 2023**  
**Pharmacology III**  
**(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

**Essays**

**(2x10=20)**

1. Describe the life cycle of malarial parasite with schematic representation and categorize the drugs used for the management of malarial infections
2. Classify various types of Gene therapy techniques and discuss the processes involved in ex vivo and in vivo gene transfer techniques

**Short Notes**

**(7x5=35)**

3. Describe the pharmacology of 5HT<sub>3</sub> receptor antagonist
4. Explain the mechanism of emesis and name the drugs used as emetics
5. Classify antacids and explain advantages of combination of antacids
6. Explain the pharmacology of Chloroquine
7. Explain the Pharmacology of Sulphonamides
8. Classify antimetabolites and explain the mechanism and ADR of folate antagonist
9. Classify antifungal agents and explain the pharmacology of ketoconazole.

**Answer Briefly**

**(10x2=20)**

10. Write the mechanism of action of Dapsone
11. Enumerate the first line drugs for tuberculosis and explain the mechanism of action of Isoniazid
12. Explain the mechanism of action of Zidovudine
13. Define expectorants and outline their mechanism of action
14. Enlist Adverse Drug Reaction and Uses of aminoglycosides
15. Explain the mechanism of action of bronchodilators
16. Name the four drugs which bind avidly to tubulin and cause arrest of cells in metaphase
17. List the drugs used as appetite stimulants and appetite suppressants
18. Define biosimilars. What are the advantages of biosimilars
19. Name the drugs used in the treatment of psoriasis

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