| Year and Program: 2024 Third Year B. Pharmacy | School of Pharmaceutical Sciences | Department : Pharmacy |
|---|---|---|
| Course Code : BP602T | Course Title : Pharmacology-III | Semester – VI Semester |
| Date: 24 MAY 2024<br>Day: Friday<br>Time: 10.30 am to 1.30 PM | Examination: End Semester | Max Marks: 75 |

**Instructions**: 1) All questions are compulsory.
2) Draw a neat labeled diagram if necessary

| Q.1 | Objective Type Questions (Answer All Questions) | 20 M | Bloom's Level | CLO |
|---|---|---|---|---|
| a) | Briefly explain the general principles of chemotherapy. | 01 | 1 | 1 |
| b) | Name one sulfonamide drug and its spectrum of activity. | 01 | 1 | 1 |
| c) | List two classes of antibiotics and provide one example for each. | 01 | 1 | 2 |
| d) | Name a drug used for the treatment of tuberculosis. | 01 | 3 | 2 |
| e) | Mention a common adverse effect of antifungal agents. | 01 | 3 | 2 |
| f) | Name an antiviral drug used for herpes simplex infections. | 01 | 3 | 2 |
| g) | Give an example of an anthelmintic drug. | 01 | 3 | 2 |
| h) | Name a drug used for the treatment of urinary tract infections. | 01 | 3 | 2 |
| i) | Define immunosuppressant's and give one example. | 01 | 3 | 2 |
| j) | What is Chrono-pharmacology concerned with? | 01 | 3 | 2 |

| Q.2 | Long Answers (Answer 2 out of 3) | 20 M | Bloom's Level | CLO |
|---|---|---|---|---|
| a) | Describe the mechanism of action and clinical uses of antibiotics, with a focus on penicillin and cephalosporin's, aminoglycosides. | 10 | 3 | 4 |
| b) | Illustrate the principles of toxicology and treatment of various poisonings. | 10 | 2 | 2 |

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| c) | Illustrate the pharmacological effects and therapeutic applications of antifungal agents. Compare the mechanisms of action of polyenes, azoles, and echinocandins in treating fungal infections | 10 | 4 | 3 |

| Q3 | Short Answers (Answer 7 out of 9) | 35 M | Bloom's Level | CLO |
|---|---|---|---|---|
| a) | Elaborate on the pharmacological effects and clinical applications of antifungal agents in the treatment of fungal infections. Provide examples of commonly used antifungals. | 05 | 2 | 1 |
| b) | Discuss the pharmacological effects and therapeutic uses of expectorants and antitussives in the management of respiratory conditions. Explain any potential adverse effects associated. | 05 | 4 | 5 |
| c) | Define and classify ant amoebic agents based on their mechanism of action. Provide examples of commonly used ant amoebic drugs. | 05 | 2 | 1 |
| d) | Explain the pharmacological effects and clinical applications of immunostimulants in the treatment of infectious diseases. Provide examples of commonly used immunostimulants. | 05 | 2 | 1 |
| e) | Classify drugs used in the management of COPD based on their mechanism of action. Provide examples for each class. | 05 | 2 | 3 |
| f) | Define and Classify Drugs Acting on the Gastrointestinal Tract (GIT) and Respiratory System, Infections, and Cancer | 05 | 2 | 1 |
| g) | Discuss the pharmacology of antifungal agents and their clinical uses. | 05 | 2 | 3 |
| h) | Describe the mechanism of actions of antiviral drugs. | 05 | 2 | 3 |
| i) | Discuss the chemotherapy of malignancy and its principles. | 05 | 2 | 1 |

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