

Duration : 3 hours

Total Marks : 75

Q. I Choose the ONE best answer and write it down

20 M

Sr

No Questions

Options

- | | | | |
|---|--|---|---------------------|
| 1 | Ipratropium is used in treatment of asthma for which of the following action? | a | Beta 2 antagonistic |
| | | b | Beta 2 agonistic |
| | | c | Anticholinergic |
| | | d | Anti-tussive |
| 2 | A drug used in treatment of COPD which increases mucociliary clearance is: | a | Corticosteroids |
| | | b | Tacrolimus |
| | | c | Theophylline |
| | | d | Methotrexate |
| 3 | Which nasal decongestant is commonly used and has long duration of action? | a | Ephedrine |
| | | b | Epinephrine |
| | | c | Oxymetazoline |
| | | d | Propylhexedrine |
| 4 | A drug which can be used for liquification of viscid sputum is: | a | Methotrexate |
| | | b | Ephedrine |
| | | c | Carbocisteine |
| | | d | Tacrolimus |
| 5 | The fixed dose combination of trimethoprim and sulfamethoxazole is called: | a | Cotrimoxazole |
| | | b | Sulfonamide |
| | | c | Quinolone |
| | | d | Penicillin |
| 6 | Which of the following antibiotics acts by inhibiting bacterial protein synthesis by interfering with 'transfer' of the elongating peptide chain to the newly attached aminoacyl-tRNA? | a | Chloramphenicol |
| | | b | Clindamycin |
| | | c | Tetracyclines |
| | | d | Aminoglycosides |
| 7 | Vestibular ototoxicity is an adverse effect of: | a | Aminoglycosides |
| | | b | Quinolones |
| | | c | Tetracycline |
| | | d | Sulphonamides |

- 8 Beta-lactam antibiotics inhibit which of the following to prevent cross linking ?
- a Transpeptidases
 - b mRNA reading
 - c Phosphorylation
 - d Protein synthesis
- 9 Which of the following drugs can cause cinchonism?
- a Artesinin
 - b Quinine
 - c Primaquine
 - d Atropine
- 10 Levamisole is a nicotinic receptor agonist used as an:
- a Antimalarial
 - b Anthelmintic
 - c Antitubercular
 - d Antiamoebic
- 11 Which of the following azole antifungals is used only topically?
- a Ketoconazole
 - b Econazole
 - c Fluconazole
 - d Itraconazole
- 12 Diloxanide furoate is classified as an:
- a Anthelmintic
 - b Amoebicide
 - c Antifungal
 - d Antiviral
- 13 Which of the following is a microtubule damaging agent?
- a Letrozole
 - b Tamoxifen
 - c Methotrexate
 - d Vinblastine
- 14 Infliximab is classified as:
- a Anti CD-3 antibody
 - b IL-1 receptor antagonist
 - c IL-2 receptor antagonist
 - d TNF α inhibitor
- 15 Cyclosporine acts on:
- a CD3 Cells
 - b CD8 Cells
 - c B Lymphocytes
 - d CD4 Cells

- 16 Which of the following drug is used as anti-cancer agent as well as an immunosuppressant? a Atropine
b Vincristine
c Tetracycline
d Methotrexate
- 17 The Universal antidote is: a Activated charcoal
b BAL
c Dimercaprol
d Lime
- 18 Which of the following is a characteristic of acute toxicity? a Sudden in onset
b Persistent over months
c Slowly changing
d Slowly occurring
- 19 *Circadian rhythms* are physical, mental, and behavioural changes that follow a: a 24-hour cycle.
b 4-hour cycle.
c 12-hour cycle.
d 6-hour cycle.
- 20 The circadian rhythm is controlled by a group of cells in the: a Hypothalamus
b Central Nervous System
c Brain Stem
d Pituitary Gland

Q. II Answer Any Two from the following:

20 M

1. Classify drugs used for the treatment of asthma with examples. Give mechanism of action and ADR of any two classes.
2. Classify anti-microbials based on their mechanism of action. Elaborate on mechanism of microbial resistance. Write a note on rational use of antibiotics.
3. Classify anti-malarial drugs with example. Illustrate targets of antimalarial drugs. Elaborate on mechanism of action, adverse effects, and uses of 4-amino quinolone drugs.

Q. III Answer Any Seven from the following.

35 M

1. Write a short note on Nasal decongestants.
2. Classify Drugs used in treatment of peptic ulcer. Give mechanism of action and adverse effects of Sucralfate.
3. Classify fluoroquinolones. Describe their mechanism of action, therapeutic uses, and general adverse effects.
4. Classify anti-retroviral drugs. Describe the mechanism of action, therapeutic uses, and adverse effects of nucleoside reverse transcriptase inhibitors (NRTIs).
5. Enlist the drugs used in leprosy and give a detailed account on Dapsone
6. Classify anticancer drugs. Write a note on vinca alkaloids.
7. Enlist disorders in which immune-suppressants are prescribed Write a note on interferons.
8. Give details on the management of arsenic poisoning.
9. What is chronotherapy? Discuss about chronotherapy for diabetes mellitus
