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CJ-07

BP-602-T
Pharmacology-III
(736602)

Total Pages : 6]

Time : 3 Hours

Max Marks : 75

Note : (1) Do not write anything on question paper except Seat No.

(2) Diagram or graph should be drawn with the black pen or black HB pencil.

(3) All questions are compulsory.

1. Answer the following multiple choice questions : 20

(i) Which of the following expectorant acts with reflex mechanism ?

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|---------------------|----------------|
| (a) Sodium benzoate | (b) Ipecacuhna |
| (c) Trypsin | (d) Ambroxol |

(ii) Which of these groups of drugs is used for asthma treatment ?

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| (a) Methylxanthines | (b) M-cholinoblockers |
| (c) Beta-2 stimulants | (d) All of these |

(iii) The bronchodialator drug belonging to sympathomimetics :

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|------------------|----------------|
| (a) Isoprenaline | (b) Ephedrine |
| (c) Atropine | (d) Salbutamol |

P.T.O.

- (iv) Which of the following is H_2 receptor antagonist ?
- (a) Omeprazole (b) Pirenzepine
- (c) Carbenoxolone (d) Ranitidine
- (v) In co-trimoxazole, sulphamethoxazole and trimethoprim are in ratio of
- (a) 2 : 1 (b) 1 : 5
- (c) 1 : 1 (d) 5 : 1
- (vi) Which of following alters cell membrane permeability ?
- (a) Glycopeptides (b) Polymyxins
- (c) Tetracyclines (d) Cephalosporins
- (vii) Which of the following is not first line choice for tuberculosis ?
- (a) PAS (b) Rifampin
- (c) Ethionamide (d) Cyclosporine
- (viii) The drug inhibiting viral DNA synthesis :
- (a) Interferon (b) Saguinavir
- (c) Amantadine (d) Acyclovir
- (ix) The drug used for amoebiasis treatment is :
- (a) Nitrofurantoin (b) Iodoquinol
- (c) Pyrazinamide (d) Mefloquine

- (x) The drugs for the treatment of an intestinal form of amoebiasis are :
- (a) Metronidazole and diloxanide
 - (b) Diloxanide and Streptomycin
 - (c) Diloxamide and Iodoquinol
 - (d) Emetine and Metronidazole
- (xi) The anticancer alkylating drug, a derivative of chloroethylamine is :
- (a) Methotrexate
 - (b) Cisplatin
 - (c) Cyclophosphamide
 - (d) Carmustine
- (xii) The anticancer alkylating drug a derivative of ethylinamine :
- (a) Mercaptopurine
 - (b) Thiotepa
 - (c) Chlorambucil
 - (d) Procarbazine
- (xiii) Which of the following are immunosuppressants ?
- (a) Corticosteroids
 - (b) Cyclosporine
 - (c) Tacrolimus
 - (d) All of the above

(xiv) Cyclosporine belongs to class of :

- (a) Interferons
- (b) Immunosuppressive agent
- (c) Monoclonal antibody
- (d) Immunoglobulins

(xv) Cyclosporine has one of the following side effect :

- (a) Tremors
- (b) GI disturbance
- (c) Hepatotoxicity
- (d) All of the above

(xvi) Which is not used in cyanide poisoning treatment ?

- (a) Dicobalt EDTA
- (b) Hydroxycobalamine
- (c) Sodium nitrite
- (d) Dimercaprol

(xvii) The following are the features of opoid withdrawal *except* :

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|--------------|----------------------|
| (a) Seizures | (b) Mydriasis |
| (c) Insomnia | (d) Hyperventilation |

(xviii) Monoclonal antibodies is :

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|------------------|------------------|
| (a) Transtuzumab | (b) Rituximab |
| (c) OKT-3 | (d) All of these |

(xix) Which of the following is antidote for morphine poisoning ?

- (a) Aspirin
- (b) Naloxone
- (c) Cyanide
- (d) N-acetylcysteine

(xx) Which of the following is derivative of alkylsulfonate ?

- (a) Flurouracil
- (b) Carboplatin
- (c) Vinblastine
- (d) Busulfan

2. Solve any *two* :

20

- (i) Discuss the mode of action, spectrum, ADME, adverse effects and therapeutic used of aminoglycosides.
- (ii) Describe life cycle of Protozoa. Classify antimalarial agents. Explain the pharmacology of chloroquine.
- (iii) What are immunosuppressants ? Describe their mechanism of action. Give a detailed account of corticosteroids.

3. Solve any *seven* :

35

- (i) Write a note on resistance to chemotherapy.
- (ii) Classify antitubercular drugs and explain the chemotherapy of T.B.
- (iii) Discuss the mode of action and therapeutic uses of tetracycline.

- (iv) Explain the role of reverse transcriptase inhibitors in the treatment of AIDS.
- (v) Write a short note on anti-asthmatic drugs.
- (vi) What is mechanism of action of fluoroquinolones ? How resistance develops to them ?
- (vii) Write a note on the treatment of amoebiasis and giardiasis.
- (viii) Classify antiulcer agents with mechanism of action of each class in brief.
- (ix) Write a short note on antifungal antibiotics.