

12526

03 Hours / 80 Marks

20221

Seat No.

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- Instructions –
- (1) All Questions are Compulsory.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answer with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. **Attempt any SIX of the following:** **30**
- a) How the following factors are responsible to modify drug action?
 - i) Age
 - ii) Route of administration
 - iii) Environment
 - iv) Accumulation and
 - v) Synergism.
 - b) Define and classify cholinergic agents. Write the pharmacological action of acetyl choline on blood vessels, blood pressure, eye and exocrine gland.
 - c) Classify Hypnotics and sedative. Give requirement of ideal hypnotics.
 - d) Define and classify antihypertensive drugs.
 - e) What are antiulcer agents. Classify them. Give any two properties of ideal antacid.
 - f) Give types of Insulin and classify oral Hypoglycemic agents.
 - g) Define chemotherapy. Write treatment of fungal infections.
2. **Attempt any TEN of the following:** **30**
- a) What are the parenteral route of administration? Give its advantages and disadvantages.
 - b) Classify NSAIDs with examples.
 - c) Discuss the various stages of general anaesthetics.
 - d) Write a note on drug therapy for cardiovascular shock.
 - e) Give pharmacological action, indication and contraindication of Heparin.
 - f) What are anti-tissue agents? Classify them with example.
 - g) Define diuretics and write its uses.
 - h) Give physiological role and Oxytocin of Estrogen.
 - i) Write clinical uses of antihistaminics.
 - j) Give mechanism of action, indication and contraindication of sulphonamides.
 - k) Classify anthelmintic drugs with examples.

P.T.O.

3. Attempt ALL questions of the following:

- a) Drugs are excreted from the body through
 - i) Skin
 - ii) Bile
 - iii) Saliva
 - iv) All
 - b) Antidote of atropine is
 - c) Enlist two types of receptors of parasympathetic nervous system.
 - d) Give two examples of B₂ - adrenergic agonists.
 - e) What is glaucoma?
 - f) Give one use and one example of mydriatic.
 - g) Give long form of GABA.
 - h) Find incorrect sentence about morphine :-
 - i) use only for some serious conditions
 - ii) routinely used as an analgesic
 - iii) has addiction liability
 - iv) use only when other analgesics don't work.
 - i) Define nootropic agents.
 - j) Enlist any two symptoms of Congestive Heart Failure.
 - k) Write mechanism of action of digoxin.
 - l) Enlist two examples of thrombolytic drugs.
 - m) Give one example of each – stimulant laxative and emollient laxative.
 - n) Furosemide belongs to which class :-
 - i) loop diuretics
 - ii) K⁺ sparing diuretics
 - iii) thiazides
 - iv) none of all.
 - o) Iodine deficiency can cause :-
 - i) thyroid cancer
 - ii) Diabetes
 - iii) goiter
 - iv) Obesity.
 - p) Long form of 5 HT is
 - q) Which is major toxicity of isoniazid.
 - i) hypomagnesemia
 - ii) pruritus
 - iii) rashes
 - iv) neurotoxicity.
 - r) Vinca alkaloid is a
 - i) antibiotic
 - ii) antimicrotubular agent
 - iii) purine analog
 - iv) folic acid antagonist.
 - s) Give indication of Adalimumab.
 - t) Define Biologicals.
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