

23124

3 Hours / 80 Marks



20221

Seat No. 

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- Instructions* –
- (1) All Questions are Compulsory.
  - (2) Illustrate your answers with neat sketches wherever necessary.
  - (3) Figures to the right indicate full marks.
  - (4) Assume suitable data, if necessary.
  - (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
  - (6) In case student has attempted sub-questions of question no. 3 more than once, only first attempt should be considered for assessment.

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Marks

1. Attempt any SIX of the following :

30

- a) Classify antibiotics. Write note on anthelmintics.
- b) What are different route of drug administration ? Write the advantages and disadvantages of IV route.
- c) Describe Oral Hypoglycemic agents with reference to its classification and examples. Why insulin is not used by oral route ?
- d) Discuss different drugs used in the treatment of angina pectoris. Write mechanism of action of any one drug.
- e) Define General Anesthetics. What is Schizophrenia ? Mention drugs used in treatment of Schizophrenia.
- f) i) Give the pharmacological action of adrenaline.  
ii) Classify parasympathomimetics with example.
- g) Write treatment of peptic ulcer by classifying the drugs used and mention mechanism of action of each category.

2. Attempt any TEN of the following :

30

- a) Describe the factor influencing absorption of drug. Explain any one factor.
- b) Classify NSAIDs with examples.
- c) Classify anti-fungals drug with example.
- d) Define and Classify antihypertensive agents with examples.
- e) What is haematinic ? Give uses of anti-coagulant drugs.
- f) Explain the mechanism of action and side effects of Sulphonamides.
- g) What are diuretics ? Explain thiazides as diuretics.
- h) Write note on Anti-thyroid drugs.
- i) Explain triple response of Histamine.
- j) Define Hypnotics. Classify with suitable example.
- k) Write use and one example each of -
  - i) Expectorant
  - ii) Bronchodilator

P.T.O.



20221

[ 2 ]

Marks

20

3. Answer ALL questions of the following :

- a) Drug administered through the following route is most likely to be subjected to first pass metabolism.
  - i) Oral
  - ii) Sublingual
  - iii) Subcutaneous
  - iv) Rectal
- b) Give two examples of neuromuscular blocking agents.
- c) The  $\beta_1$  receptor are located in
  - i) Heart
  - ii) Lungs
  - iii) Kidney
  - iv) Adrenal Gland
- d) Local anesthetics produce:
  - i) Analgesia, amnesia, loss of consciousness
  - ii) Blocking pain sensation without loss of consciousness
  - iii) Alleviation of anxiety and pain with an altered level of consciousness.
  - iv) A stupor or somnolent state.
- e) Give two examples of mydriatics.
- f) If the pressure inside eye is higher than normal person,
  - i) May have cataract
  - ii) May be at risk for glaucoma
  - iii) Need eyeglasses
  - iv) Have infection
- g) Give two examples of drugs used as Nootropic agents.
- h) Phenytoin is used in the treatment of \_\_\_\_\_.
- i) Statins are used in atherosclerosis. State true or false.
- j) Give example of one drug used in treatment of manic depressive illness.
- k) Give example of one thrombolytic agent.
- l) Define laxative.
- m) Anti diuretics are the drugs which have following action
  - i) Increase urine output
  - ii) Decrease urine output
  - iii) Stop urine formation
  - iv) Cause drowsiness
- n) ..... is caused by deficiency of Vitamin D.
- o) The main hormone secreted by the thyroid gland is \_\_\_\_\_.
- p) Give two examples of anti-histaminics.
- q) Mention two drugs used in treatment of cancer.
- r) Name one Anti-TB drugs used in Resistant TB.
- s) Give example of one biological drug.
- t) Define Biologicals.