

Instructions:

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means

Q1. Long Answer questions

2 X 10 = 20

- a. Describe important features of artemisinin,
- b. Describe the uses and adverse effects of gentamicin

Q2. Short Answer Questions

4 X 5= 20

- a. Give justifications of co-administration of anti-microbial drugs, give suitable examples.
- b. Enumerate the drugs useful in osteoporosis. How are these drugs being likely to bring benefit?
- c. Compare phenytoin sodium and valproic acid as anti-epileptic drugs.
- d. Uses of Opioid.

Q3. Very Short Answer Questions

1 X 10= 10

- a. In case of phenytoin sodium why do we see a change in elimination kinetics from first order to zero order? Point out its clinical significance.
- b. Mention two uses of prostaglandins/ prostaglandin- analogues.
- c. Name two drugs (Having different mechanisms) useful in treatment of acute gouty arthritis.
- d. Name two drugs useful in treatment of endometriosis.
- e. Mention two uses of ivermectin.
- f. Mention two selective serotonin Reuptake inhibitors (SSRIs), used as anti-depressants.
- g. Why do we use, Lugol's iodine (aqueous iodine solution) before surgery of thyroid gland?
- h. Name of two drugs useful in mania.
- i. Name two azoles useful in fungal infection; one locally used on skin and another one used systemically
- j. Among anti-retroviral drugs, name one drug each, from Nucleoside Reverse Transcriptase inhibitor (NRTI) and Non- Nucleoside Reverse Transcriptase Inhibitor (NNRTI).