

Time- 3 hrs

Marks- 80

Q.1 A Answer the following

16

- i. Enlist therapeutic uses of cotrimoxazole.
- ii. Justify clavulanic acid called as “suicide’ inhibitor”.
- iii. Enlist adverse effects of chloramphenicol.
- iv. State mechanism of action of Acarbose
- v. Justify Vitamin D used in combination with calcium supplement
- vi. Enlist adverse effects of insulin.
- vii. Enlist therapeutic uses of antiplatelet drugs.
- viii. Enlist therapeutic uses of penicillin.

Q.1 B Match the following

4

- | A | B |
|--------------------|---|
| i. Chloramphenicol | a. GABA agonistic action opening Cl^- channels |
| ii. Piperazine | b. Inhibits DNA dependent RNA synthesis |
| iii. Ivermectin | c. Interferes with peptide bond formation |
| iv. Rifampin | d. Glutamate gated Cl^- channel |

Q.2 A Answer **any two** of the following

8

- i. Explain pharmacology of fixed dose combination “Cotrimoxazole”.
- ii. Classify drugs used for leprosy. Explain mechanism of action & adverse effects of dapsone.
- iii. Classify antiviral drugs and explain mechanism of action for zidovudine.

Q.2 B Answer **any one** of the following

4

- i. Explain mechanism of action and dose related toxicity of tetracycline
- ii. Discuss pharmacology of metronidazole as antiamoebic

Q.3 A Answer **any two** of the following

8

- i. Write note on “Extended spectrum penicillin”
- ii. Explain pharmacology of “6-Mercaptopurine” as anticancer drug
- iii. Explain mechanism of action and adverse effects of “Amphotericin B” as antifungal agent

Q.3 B Answer **any one** of the following

4

- i. Explain mechanism of action and adverse effects of Mebendazole as anthelmintic drug
- ii. Explain mechanism of action and shared toxicity of aminoglycosides

Q.4 A Answer **any two** of the following 8

- i. Classify antimalarial drugs and explain mechanism of action for chloroquine.
- ii. Enlist first line anti TB drugs. Explain mechanism of action and adverse effects of isoniazid.
- iii. Explain pharmacology of Vinca alkaloids as anticancer drug.

Q.4 B Answer **any one** of the following 4

- i. Classify immunosuppressant & write note on tacrolimus.
- ii. Explain pharmacology of glucocorticoids.

Q.5 A Answer **any two** of the following 8

- i. Explain role of oxytocin as uterine stimulant.
- ii. Classify oral hypoglycemics and explain mechanism of action for Glibenclamide.
- iii. Explain mechanism of action and uses of thyroid hormones

Q.5 B Answer **any one** of the following 4

- i. Explain pharmacology of parathyroid hormone in regulation of bone calcium.
- ii. Enlist different insulin preparations. Explain mechanism of action for insulin.

Q.6 A Answer **any two** of the following 8

- i. Write note on “fibrinolytics”.
- ii. Write note on different “Iron Preparations”
- iii. Classify & explain uses anticoagulants.

Q.6 B Answer **any one** of the following 4

- i. Write note on “coagulant drugs”.
- ii. Write note on “antiplatelet drugs”.
