

15501 Seat No. _____
Diploma in Pharmacy (Part-II)
May / June – 2003
Pharmacology & Toxicology

Time : Hours]

[Total Marks : **80**

- Instructions :** (1) Attempt both sections **separately**.
(2) Attempt any **three** questions from each section.

SECTION - I

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|----------|---|----------------------|
| 1 | Write synthesis, metabolism and release of NA at different sites in adrenergic neurone. | 13 |
| 2 | (a) Give an account of autocooids. Write pharmacological actions and receptors of 5-HT.
(b) Write a note on oral rate of administration. | 8
5 |
| 3 | (a) Define pharmaeokinetics. Write factors affecting absorption of drugs.
(b) Write a note on drug antagonism. | 8
5 |
| 4 | (a) Explain feed-mechanism involved in the regulation of hormonal secretion in pituitary gland.
(b) Classify general anaesthetics. Give their mechanism of action in general. | 8
5 |
| 5 | Answer the following : (any four)
(a) Therapeutic uses of morphine
(b) Classification of anti-psychotics
(c) M/A of xanthine alkaloids
(d) Pharmacological actions of benzodiazepines
(e) Functions of Vit.B ₁₂ .
(f) Oral contraceptives. | 14 |

SECTION - II

- 6** (a) Classify drugs used in angina pectoris. **8**
Give M/A, and adverse effects of nitrites.
- (b) Enlist calcium channel blockers used in treatment of hypotension. Give M/A, adverse effects of them. **5**
- 7** (a) Enlist Quinolones. Write mechanism, therapeutic uses and adverse effects of them. **8**
- (b) Give therapeutic uses and adverse effects of chloramphenicol. **5**
- 8** (a) Enumerate macrolide group of antibiotics. Write M/A, therapeutic uses, source of erythromycin. **8**
- (b) Write a note on anticoagulants. **5**
- 9** Give a detailed account of antimetabolites used in cancer therapy. **13**
- 10** Answer the followings : (any **two**) **14**
- (a) Quinine
- (b) Rifamycins
- (c) Common adverse effects of antibiotics
- (d) Classify cathartics
- (e) Gastric antacids
- (f) Carbonic anhydrase inhibitors.
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