



Name :

Roll No. :

Invigilator's Signature :

CS/B.PHARM(N)/SEM-7/PT-708/2012-13

2012

PHARMACOLOGY

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP - A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

i) The drug of choice for GERD is

- | | |
|-------------------|------------------|
| a) Rivotidine | b) Sucralfate |
| c) Clarithromycin | d) Pantoprazole. |

ii) Gastrin is

- | | |
|------------|-----------------------|
| a) Enzyme | b) Neuro trans mitter |
| c) Hormone | d) Vitamin. |

iii) The antidote for atropine poisoning is

- | | |
|-------------------|-------------------|
| a) Methylene blue | b) Naloxone |
| c) Dimercaprol | d) Physostigmine. |

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- iv) Prednisolone is used as
- Antipyretic drug
 - Anti inflammatory drug
 - Anti ulcer drug
 - Anti hypertensive drug.
- v) Short acting insulin has duration of action of
- 3-6 hours
 - 12-24 hours
 - 6-8 hours
 - none of these.
- vi) Mifepristone can be used in
- Induction of Labor
 - Threatened or habitual contraception
 - Pre-menstrual tension
 - Endometrial carcinoma.
- vii) Which of the following drugs inhibit DNA gyrase
- Ciprofloxacin
 - Acyclovir
 - Rifampin
 - Cyclosporine.
- viii) Which of the following is a narrow spectrum antibiotic
- Tetracyclines
 - Streptomycin
 - Chloramphenicol
 - Amantadine.
- ix) Which of the following contraceptive pill does not contain estrogen ?
- Combined pill
 - Phased pill
 - Mini pill
 - All of these.

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GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. a) What is cancer ?
b) What are the causes of cancer ?
c) Differentiate between benign and malignant tumors.
d) Write down the MOA, clinical use and side effects of methotrexate. $1 + 3 + 3 + 8$
8. a) Write down the physiology of gastric acid secretion.
b) Classify anti-ulcer drugs.
c) Write down the pharmacology of any prototype - drug of the proton-pump inhibitor group. $5 + 2 + 8$
9. a) Discuss the mode of action of sulphonamide as antibacterial agent.
b) Write down the mechanism of action, clinical uses and adverse effects of glucocorticoids.
c) What is OCP ? $5 + 8 + 2$
10. a) What is the mechanism of action and adverse effects of penicillin ?
b) Write briefly about bacterial resistance against penicillin - G.
c) Give examples of two extended spectrum penicillins. $8 + 5 + 2$
11. Write short notes on any *three* of the following : 3×5
- a) Synthesis of thyroid hormones
b) Oral contraceptives
c) Gonadotrophins
d) Different phases of cell cycle kinetics.

