



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/B.PHARM/SEM-7/PT-708/2009-10**

**2009**

**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) TRH is released from
- a) hypothalamus                      b) thyroid
- c) anterior pituitary                d) posterior pituitary.
- ii) Which of the following is a 5 $\alpha$ -reductase inhibitor used in prostatic cancer ?
- a) Tamoxifen                            b) Mifepristone
- c) Finasteride                            d) Danazol.
- iii) Anti-emetic drug Ondansetron is
- a) H<sub>3</sub> – antagonist                      b) 5 – HT<sub>3</sub> antagonist
- c) 5 – HT<sub>3</sub> agonist                        d) Anticholinergic.

88037

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CS/B.PHARM/SEM-7/PT-708/2009-10



- iv) Senna is a / an
- a) stimulant laxative      b) bulk laxative
- c) osmotic laxative      d) lubricant laxative.
- v) Which of the following is a fourth generation cephalosporin ?
- a) Cefotaxime      b) Cefecolor
- c) Cefepime      d) Cefazoline.
- vi) Hyperprolactinemia can cause the following *except*
- a) amenorrhoea      b) gynaecomastic
- c) multiple ovulation      d) depressed fertility.
- vii) Which of the following is used in organophosphorus poisoning ?
- a) Pralidoxime      b) Acetylcysteine
- c) Carbachol      d) Physostigmine.
- viii) The most effective antiemetic for controlling cisplatin induced vomiting is
- a) Prochlorperazine      b) Ondansetron
- c) Metoclopramide      d) Promethazine.
- ix) The cell cycle nonspecific antineoplastic drug is
- a) vincristine      b) bleomycin
- c) methotrexate      d) 5-fluorouracid.

88037

2



- x) Quinolones inhibit
- a) Protein synthesis
  - b) DNA synthesis
  - c) Cell wall synthesis
  - d) DNA polymerase synthesis.
- xi) Cytoprotective agent Misoprostol is an analogous of
- a) Prostaglandin
  - b) Histamine
  - c) Acetylcholine
  - d) Cytokine.

**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.  $3 \times 5 = 15$

2. Write briefly about UTI infections.
3. Give the classification of Sulphonamide and mechanism of action of Cortimoxazole.
4. Write a note on Immunosuppressive agent.
5. Classify antiemetic drug with suitable example. Write a brief note on management of emesis in cancer therapy.
6. Differentiate between purgative and laxative and mention the major adverse effects on prolong usage of laxatives.  $2 \frac{1}{2} + 2 \frac{1}{2}$



**GROUP – C**

**( Long Answer Type Questions )**

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

7. What is Diabetes Mellitus ? What are the clinical symptoms of Diabetes Mellitus ? What is the role of Insulin in the treatment of Diabetes Mellitus ? Classify oral hypoglycemics.

2 + 5 + 4 + 4

8. Define poison. What are the general principles of treatment of poisoning ? How will you manage a patient with barbiturate poisoning ?

3 + 7 + 5

9. Define Neoplasm and Metastasis. Classify anti-neoplastic agent with examples. Write briefly the mechanism of action of Anti-metabolites and Vinca alkaloids.

2 + 5 + 4 + 4

10. Define peptic ulcer. Classify the drug for treatment of peptic ulcer. Write details about one PPI with suitable example.

2 + 4 + 9

11. What are the betalactam antibiotics ? Classify the cephalosporins according to their potency. Write down the MOA of betalactam antibiotics. Write the MOA, ADME and ADR of sulphonamide.

2 + 3 + 3 + 7

12. What do you mean by aminoglycosides and broad spectrum antibiotics ? Describe the MOA, indication and ADR of aminoglycoside.

5 + 10

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