	Utech
Name:	
Roll No.:	To Owner Ly Exercising and Explained
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:

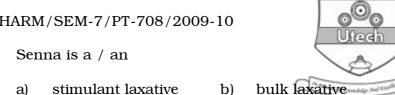
 $10 \times 1 = 10$

- i) TRH is released from
 - a) hypothalamus
- b) thyroid
- c) anterior pituitary
- d) posterior pituitary.
- ii) Which of the following is a 5α -reductase inhibitor used in prostatic cancer ?
 - a) Tamoxifen
- b) Mifepristone
- c) Finasteride
- d) Danazol.
- iii) Anti-emetic drug Ondansetron is
 - a) H_3 antagonist
- b) $5 HT_3$ antagonist
- c) $5 HT_3$ agonist
- d) Anticholinergic.

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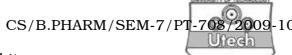
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iv)



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

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- 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. $2\frac{1}{2} + 2\frac{1}{2}$

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(Long Answer Type Questions)

 $3 \times 15 = 45$

Answer any three of the following.

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-neophastic 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 betalactum antibiotics? Classify the cephalosporins according to their potency. Write down the MOA of betalactum 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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