



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/B.PHARM(NEW)/SEM-8/PT-818/2012**

**2012**

**HOSPITAL PHARMACY AND CLINICAL  
PHARMACY**

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) Drug distribution system consists of
  - a) out- patient service only
  - b) in- patient service only
  - c) out- and in- patient service
  - d) none of these.
- ii) What is the temperature range for cold storage ?
  - a) 2°C–8°C
  - b) 8°C–25°C
  - c) 30°C–40°C
  - d) > 40°C.
- iii) Geriatric patients should be included in..... clinical trials .
  - a) Phase I
  - b) Phase II
  - c) Phase IV
  - d) Phase III.

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- iv) Prescription drugs come under
- a) schedule X                      b) schedule J  
c) schedule K                      d) all of these.
- v) Insulin preparations should be stored at
- a) Cold Temperature              b) Freezing Temperature  
c) Cool Temperature              d) Room Temperature.
- vi) Who takes the decision to include a drug in the hospital formulary ?
- a) Governing body  
b) Hospital superintendent  
c) PTC  
d) Pharmacy.
- vii) Which of the following anti hypertensive is safer during pregnancy ?
- a) Furosemide                      b) Captopril  
c) Hydralazine.                      d) Sodium nitroprusside.
- viii) Which of the following drugs is a peripheral decarboxylase inhibitor ?
- a) Levodopa                          b) Benserazide  
c) Bromocriptine                  d) Amantadine.
- ix) Which of the following drugs inhibit drug metabolizing enzyme ?
- a) Allopurinol                      b) Carbamazepine  
c) Isoniazid                          d) Phenobarbitone.
- x) ..... is a first line drug for treating schizophrenia.
- a) Chlorpromazine                  b) Timolol  
c) Risperidone                      d) Levodopa.



- xi) Which of the following drugs is teratogenic in nature ?
- a) Tetracycline                      b) Propanonol  
c) Misoprostol                      d) Amitryptiline.
- xii) The pharmacist requirement for up to 300 bed hospital is
- a) 5                                      b) 10  
c) 10                                      d) 15.

**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.                      3 × 5 = 15

2. What is post marketing surveillance ? Discuss its importance in clinical trials.
3. Write the factors responsible for selection of essential drugs.
4. Why  $\beta$  blockers should not be given with calcium channel blocker to treat hypertension ?
5. Write a note on the pharmacotherapeutic management of Parkinson's disease.
6. Define and classify Adverse Drug Reactions (ADR) .                      2 + 3

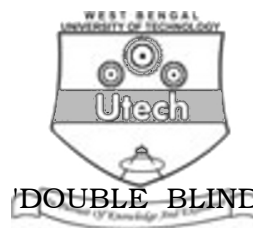
**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.                      3 × 15 = 45

7. a) Describe about the various drug distribution systems for the in-patient department of a hospital emphasizing the merits and demerits of each system..
- b) Write a short note on Charging policy.                      12 + 3

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8. a) Define Orphan drug with example.  
b) What do you mean by 'BLIND' and 'DOUBLE BLIND' clinical trial ?  
c) Explain in brief about Phase I, Phase II, Phase III Clinical trial emphasizing on purpose.  
d) What is the necessity of clinical trial monitoring ?  
 $2 + 2 + 7 + 4$
9. Give a lay out of the sterile product area and discuss about specification of environmental control in the above area.
10. a) How does one drug interfere with the absorption and metabolism of another drug ?  
b) Site one example for each of the following cases of drug interaction and mention the respective mechanism involved for each of the example sited :  
(i) Food-drug interaction  
(ii) Drug-drug interaction, where one drug interferes with the excretion of the other drug  
(iii) Drug-drug interaction, where one drug interferes with the distribution of the other drug.  
c) Explain teratogenacity with an example.  $7 + 6 + 2$
11. a) How could you explain the term 'CHF' and 'Myocardial infarction' ?  
b) Enumerate the management procedure of Hypertension in detail.  
c) Discuss some of the factors that precipitate cardiac arrhythmia  
 $4 + 5 + 6$
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