



Name : .....  
Roll No. : .....  
Invigilator's Signature : .....

**CS/B.PHARM (NEW)/SEM-8/PT-818/2013**

**2013  
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) Lead time means
    - a) Time between placing the order and receiving of the drugs
    - b) Time before placing the order
    - c) Time after placing the order
    - d) Time after receiving of the drug.
  - ii) The term drug basket method is used for dispensing of
    - a) charge floor stock drugs
    - b) non-charge floor stock drugs
    - c) unit dose dispensing
    - d) individual prescription system.

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- iii) Prescription drugs come under
- a) schedule X                      b) schedule J  
c) schedule K                      d) all of these.
- iv) The total number of patients in Phase I clinical trial is
- a) 10-15                              b) 200-250  
c) 20-100                            d) 300-350.
- v) The list of pharmaceutical preparations including important information which reflects the current clinical views of the medical staff is called
- a) PTC                                b) Hospital formulary  
c) Inventory control              d) None of these.
- vi) Which class of drugs has fatal drug interaction with nitrates ?
- a) Nitrosourea                      b) PDE-5 inhibitors  
c) DPP IV inhibitors              d) Barbiturates.
- vii) Large volume parenterals are sterilized by
- a) Membrane filtration with aseptic filling  
b) Autoclaving  
c) Ionizing radiation  
d) All of these.
- viii) What is the correct sterilization condition in Autoclave ?
- a) 115°C – 20 lb/sq. inch – 20 minutes  
b) 115°C – 10 lb/sq. inch – 5 minutes  
c) 121°C – 15 lb/sq. inch – 15 minutes  
d) None of these.



- ix) Which one of the following is the drug of first choice in hypertension during pregnancy ?
- a) Methyl Dopa                      b) Amlodipine  
c) Atenenolol                        d) Diuretics.
- x) Which class of drugs have severe side effect of non-alcoholic fatty liver ?
- a)  $\beta$  blocker  
b) Local anesthetics  
c) Typical antipsychotics  
d) Benzodiazepines.
- xi) Cost per unit is given by the formula
- a) total cost  $\times$  non of units  
b) total cost/ no. of units  
c) total cost + no. of units  
d) total cost – no. of units
- xii) The pharmacist requirement for up to 300 bed hospital is
- a) 5    b) 10  
c) 3    d) 15.

**GROUP – B**

**( Short Answer Type Questions )**

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

2. Write a short note on drug-food interaction.
3. Define and classify 'Hospital'.
4. What are the responsibilities of a hospital pharmacist ?

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5. Explain the contents of a Hospital Formulary.
6. Write a note about the treatment of ST elevated myocardial infarction.

**GROUP – C**

**( Long Answer Type Questions )**

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

7. Explain the pathophysiology and manifestation of epilepsy. Classify anti-epileptic drugs with examples. Write down the mechanism of action and adverse effects of phenytoin.  
 $5 + 5 + 5$
8. a) Describe the policy making process for manufacturable items.  
b) Write in short the manufacturing practice for small and large volume parenterals in hospital.  $7 + 8$
9. What is the normal blood pressure for human ? What do you mean by hypertension ? Classify the drugs used for the hypertension with example. Write the action of thiazide diuretics and ACE inhibitors for the treatment of hypertension ?  $1 + 1 + 5 + 4 + 4$
10. a) Explain in details all the phases of clinical trials.  
b) What do you mean by Randomised trials, Cross over Design and Matched pair designs ?  $9 + 6$
11. What is PTC ? Discuss the role of PTC in account of drug safety, ADR and emergency drug. What are the functions of pharmacist in PTC ?