



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/MHA/SEM-4/MHA-404/2010**  
**2010**  
**CLINICAL SERVICE AREAS**

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 the following :  $10 \times 1 = 10$ 
  - i) Donor-recipient match is applicable to which department ?
    - a) Nuclear medicine
    - b) Physical medicine
    - c) Transplantation unit
    - d) Neurology.
  - ii) Shielding is practiced in
    - a) wards
    - b) nuclear medicine department
    - c) kitchen
    - d) physical medicine department.



- iii) SSI stands for
  - a) Surgical Site Infection
  - b) Survey Site for Infection
  - c) Surgical Site Invasion
  - d) Surgical Survey Invasion.
- iv) Transplantation of Human Organs Act was established in the year
  - a) 1992
  - b) 1993
  - c) 1994
  - d) 1990.
- v) ..... of the admitted patients need surgery.
  - a) 15%
  - b) 35%
  - c) 50%
  - d) none of these.
- vi) ..... is a piped vacuum system used in anesthesia practice to suck out expired gases out of operation theatre.
  - a) Air distribution
  - b) Ventilation
  - c) Filtration
  - d) Scavenging.
- vii) Isolation of patients are done to
  - a) prevent spread of infection from a patient to other patients and staff
  - b) reducing the risk of infection for patients who have low resistance
  - c) provide privacy
  - d) both (a) & (b).



- viii) Race track design applies to
- a) Nuclear medicine dept.
  - b) Operation theatre
  - c) Physical medicine dept.
  - d) Ward.
- ix) A coronary intensive care unit is used by the patient who suffers from
- a) myocardial infarction    b) corneal ulcer
  - c) burns    d) renal disorder.
- x) Speech therapy is a part of
- a) nursing    b) psychiatric medicine
  - c) physical medicine    d) cosmetic medicine.

**GROUP – B**

**( Short Answer Type Questions )**

Write short notes on any *three* of the following.

3 × 5 = 15

- 2. Physical medicine department.
- 3. Organ transplantation.
- 4. Critical care unit.
- 5. Progressive patient care.

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**GROUP – C**

**( Long Answer Type Questions )**

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

6. What is the need of ICU ? Name the different types of ICU.  
Describe the physical facilities and staffing pattern of ICU.
  7. What is meant by 'Zoning' ? What are the physical and special requirements ( features ) of an operating room where operation is carried out ? Discuss the procedures and measures undertaken to maintain the aseptic conditions, cleanliness and hygiene of OT.
  8. What are the role, function and types of In-patient wards ?  
What are the components ( sub-areas ) of ward accommodation ?
  9. When is nuclear medicine required ? What are the physical facilities required in a nuclear medicine department ?
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