

**IV B.Tech. II Semester Supplementary Examinations, July -2005
HOSPITAL SYSTEMS MANAGEMENT
(Bio-Medical Engineering)**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. In detail compare general hospital with a specialist hospital.
2. Explain the concept of teaching and Research in hospitals.
3. Discuss the role of primary health care centers.
4. Describe the use of air-conditioners, lifts and water supply requirements in a hospital.
5. Discuss the use of computers in maintaining patient records and purchase of drugs.
6. How the interference due to grounding problem of therapeutic equipments is solved in hospitals? Explain.
7. Explain how the training is given to personnel to maintain the existing equipments intact and procedure for condemnation of equipments.
8. Explain the terms:
 - (a) Discharge Record
 - (b) Hospital laundry service.

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1. Pertaining to a hospital explain,
 - (a) out patient
 - (b) in patient
 - (c) and Nursing service.
2. Explain the following terms:
 - (a) Dietary Service
 - (b) Transport Service.
3. Discuss the following terms:
 - (a) Operation theatre
 - (b) Sanitation.
4. Regarding the planning of a hospital explain, location, orientation, budgeting and communication.
5. Explain the use of computers in, discharge of patients, patients billing and drug purchase.
6. What are the safety measure taken in the design of a hospital? Explain.
7. Explain the terms:
 - (a) Periodical Maintenance of equipments
 - (b) Equipment Condemnation.
8. Discuss the terms:
 - (a) Primary health care
 - (b) General Hospital.

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1. Classify hospital systems in detail. (Draw a block schematic of a hospital system).
Explain the functioning of a hospital.
2. Explain the importance of nursing service in a hospital.
3. Explain with a neat sketch the internal pattern of a hospital.
4. Explain the need of water supply, lifts and fire fighting equipments in a hospital.
5. Discuss the use of computer and information management in the aid of hospital administration.
6. Explain the electrical factors taken care of in the design of a hospital, regarding uninterrupted power supply for ICU units.
7. Discuss the procedure for purchase, servicing and maintenance of biomedical equipment in a hospital.
8. Explain the terms:
 - (a) Transport service
 - (b) Sanitation.

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1. (a) Explain the following terms:
 - i. General Hospital
 - ii. Specialist Hospital.(b) Discuss the inpatient supporting services available in hospitals.
2. (a) Regarding planning of a hospital explain the following terms:
 - i. Electric supply
 - ii. Water supply.(b) Write a note on:
 - i. Sanitation
 - ii. Laundry service.
3. (a) Explain the use of computers in managing the hospital.
(b) Write a note on:
 - i. Patient billing
 - ii. Purchase of drugs.
4. (a) What are the safety precautions taken in to account in the design of hospitals pertaining to electrical factors? Explain.
(b) Explain the safety precaution taken in the design of ICU regarding grounding of equipments.
5. (a) Explain the procedure involved in throwing the condemned equipment.
(b) Discuss the periodical maintenance procedures involved in a hospital.
6. Explain the terms:
 - (a) Research in hospitals
 - (b) Primary health care.
7. Discuss the following terms:
 - (a) Operation theatre
 - (b) Nursing service.
8. Write short notes on:

- (a) Patient information
- (b) Biomedical equipment purchase
- (c) Service procedure.

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