

**IV B.Tech. II Semester Regular Examinations, April/May -2006**  
**HOSPITAL SYSTEMS MANAGEMENT**  
**(Bio-Medical Engineering)**

**Time: 3 hours**

**Max Marks: 80**

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

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1. Classify hospital systems and explain any two of them. [16]
2. Explain the following regarding hospital services,
  - (a) Outpatient
  - (b) Inpatient
  - (c) Medical supply. [5+5+6=16]
3. Describe how the following requirements are taken care of in hospitals:
  - (a) Air conditioners
  - (b) Lift facility
  - (c) Water supply. [5+5+6=16]
4. Explain the concept of computer aided hospital management administration and discharge records of patients. [16]
5. In detail explain the design of electrical factors in hospitals. [16]
6. Explain the following with reference to equipments in hospitals.
  - (a) Condemnation
  - (b) Maintenance
  - (c) Servicing [6+5+5=16]
7. Explain the terms:
  - (a) Purchase of drugs
  - (b) Sanitation. [8+8=16]
8. Write short notes on:
  - (a) Nursing service
  - (b) Biomedical engineer
  - (c) Transport service. [5+5+6=16]

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1. Explain the role and function of following in rural india :
  - (a) Primary health care
  - (b) General Hospital. [8+8=16]
2. In detail explain the various kinds of hospital services. [4x4=16]
3. Regarding the construction of a hospital explain the following:
  - (a) Planning
  - (b) Location
  - (c) Orientation
  - (d) Budgeting. [4x4=16]
4. Explain the functioning of electric power supply for various operation theaters and rooms in a hospital. [16]
5. Explain the terms:
  - (a) Patient billing
  - (b) Patient records maintenance. [8+8=16]
6. Discuss the arrangement of uninterrupted power supply for ICU and computerized monitoring units. [16]
7. Explain how the personnel one trained for medical equipments preventive and periodical maintenance procedure. [16]
8. Write short notes on:
  - (a) Laundry service
  - (b) Dietary service
  - (c) Research. [5+5+6=16]

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1. In detail classify hospital systems. [4x4=16]
2. Describe the concept of the following services in a hospital:
  - (a) Nursing Services
  - (b) Transport services. [8+8=16]
3. Discuss the sanitation procedure and laundry services within the hospitals. [8+8=16]
4. Explain the role of computers in management of hospitals. Discuss its use in all aspects. [16]
5. Discuss the protective system used for therapeutic equipments. [16]
6. Describe the process of purchasing, servicing and maintaining the biomedical equipments in hospitals. [5+5+6=16]
7. Explain the terms:
  - (a) Out patient procedure
  - (b) Generator service. [8+8=16]
8. Write short notes on:
  - (a) Drug purchase
  - (b) Air conditioners
  - (c) Operation theatres. [5+5+6=16]

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1. Describe the following terms:
  - (a) Specialist hospital
  - (b) Research. [8+8=16]
2. Explain the terms:
  - (a) Nursing Services
  - (b) Emergency drug supply. [8+8=16]
3. Discuss the planning of a hospital in all aspects in a rural area. [16]
4. Describe the terms:
  - (a) Fire fighting equipments
  - (b) Laundry services. [8+8=16]
5. Discuss the following terms:
  - (a) Admission
  - (b) Discharge
  - (c) Billing
  - (d) Patient records. [16]
6. Regarding biomedical equipment procurement, explain:
  - (a) Purchase
  - (b) Servicing
  - (c) Maintenance
  - (d) Condemnation. [4x4=16]
7. Write notes on:
  - (a) ECG protection
  - (b) Generator
  - (c) Primary health care. [5+5+6=16]
8. Write short notes on the following, pertaining to a hospital:

- (a) Water supply arrangement
- (b) Lift arrangements
- (c) Role of computers.

[16]

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