MEASI
Institute *of* Management

Hospital Planning and Administration-534E8B

Comprehensive Question Bank

UNIT I: Hospital System and Administration

Part A: 1 Mark Questions

1. Define hospital.
2. What is a primary care hospital?
3. What is a secondary care hospital?
4. Define tertiary care hospital.
5. What is a teaching hospital?
6. Name any two types of hospital classification.
7. What is a specialty hospital?
8. Define hospital administration.
9. What is the role of a hospital administrator?
10. Name any one function of hospital administration.
11. What is a hospital system?
12. Define community hospital.
13. What is a district hospital?
14. Name any two changing roles of modern hospitals.
15. What is scientific planning in hospitals?
16. Define hospital infrastructure.
17. What is a referral hospital?
18. Name any one classification based on ownership.
19. What is a multi-specialty hospital?
20. Define hospital design.

Part B: 5 Marks Questions

1. Explain the classification of hospitals based on ownership.
2. Discuss the classification of hospitals based on services provided.
3. Describe the changing role of hospitals in modern healthcare.

4. Explain the key functions of hospital administration.
5. Discuss the importance of hospital system in healthcare delivery.
6. Describe the need for scientific planning in hospitals.
7. Explain the role of hospital administrator in patient care management.
8. Discuss the different levels of healthcare - primary, secondary, and tertiary.
9. Explain the significance of teaching hospitals in medical education.
10. Describe the organizational structure of hospital administration.

Part C: 10 Marks Questions

1. Discuss in detail the various classifications of hospitals with examples. Explain how each classification serves different healthcare needs.
2. Analyze the changing role of hospitals in the modern healthcare landscape. How has the hospital function evolved over the past few decades?
3. Explain comprehensively the role and responsibilities of hospital administration. What are the key management functions required?
4. Describe the hospital system as an integrated healthcare delivery mechanism. How do different components work together?
5. Elaborate on the need for scientific planning and design of hospitals. What problems arise from unplanned hospital development?
6. Compare and contrast public sector and private sector hospitals in terms of administration, services, and objectives.
7. Discuss the role of hospitals in preventive, curative, and rehabilitative healthcare. How has this role changed?
8. Analyze the challenges faced by hospital administrators in managing modern healthcare facilities.

UNIT II: Hospital Planning

Part A: 1 Mark Questions

1. What is hospital planning?
2. Name any one principle of planning.
3. What is the planning process?
4. Define hospital size.
5. What is location selection?
6. Define hospital layout.
7. What is the role of a hospital architect?

8. Name any one factor in selecting hospital size.
9. What is equipment planning?
10. Define master planning in hospitals.
11. What is site selection?
12. Name any criterion for architect selection.
13. What is space planning?
14. Define functional planning.
15. What is a feasibility study?
16. Name any one principle of hospital layout.
17. What is vertical expansion?
18. Define horizontal expansion.
19. What is a hospital blueprint?
20. Name any one factor affecting location selection.

Part B: 5 Marks Questions

1. Explain the principles of hospital planning.
2. Describe the hospital planning process step by step.
3. Discuss the factors to be considered in determining hospital size.
4. Explain the importance of location selection for hospitals.
5. Describe the key elements of hospital layout design.
6. Discuss the role and responsibilities of a hospital architect.
7. Explain the criteria for selection of a hospital architect.
8. Describe the process of equipping a hospital.
9. Discuss the factors affecting hospital size selection.
10. Explain the importance of master planning in hospital development.

Part C: 10 Marks Questions

1. Elaborate on the principles of planning and their application in hospital development. Why is systematic planning essential?
2. Describe the complete planning process for establishing a new hospital from concept to commissioning.
3. Discuss comprehensively the factors that influence hospital size selection. How should optimal size be determined?
4. Analyze the critical factors in hospital location selection. Compare urban vs suburban vs rural locations.

5. Explain in detail the importance of hospital layout design. What are the key principles for effective layout?
6. Discuss the role of hospital architect in planning and design. What qualifications and selection criteria should be used?
7. Elaborate on the process of equipping a hospital. How should equipment selection and procurement be planned?
8. Compare and contrast different approaches to hospital expansion - vertical vs horizontal, new construction vs renovation.

UNIT III: Technical Analysis

Part A: 1 Mark Questions

1. What is technical analysis in hospital planning?
2. Define demand for hospital services.
3. What is need assessment?
4. Define bed planning.
5. What is bed occupancy rate?
6. Name any one factor influencing hospital utilization.
7. What is project cost estimation?
8. Define land requirements for hospitals.
9. What is space requirement analysis?
10. Name any one hospital drawing document.
11. What is a floor plan?
12. Define catchment area.
13. What is bed turnover rate?
14. Name any factor affecting bed planning.
15. What is a feasibility report?
16. Define demographic analysis.
17. What is epidemiological assessment?
18. Name any one hospital document required for approval.
19. What is average length of stay (ALOS)?
20. Define service area population.

Part B: 5 Marks Questions

1. Explain the process of assessing the extent of need for hospital services.
2. Distinguish between demand and need for hospital services with examples.
3. Discuss the factors influencing hospital utilization.
4. Describe the bed planning methodology for a new hospital.
5. Explain the components of project cost estimation.
6. Discuss the land requirements for different types of hospitals.
7. Describe the space requirements for various hospital departments.
8. Explain the essential hospital drawings required for construction.
9. Discuss the documents needed for hospital project approval.
10. Describe the technical analysis required for hospital feasibility study.

Part C: 10 Marks Questions

1. Elaborate on the complete technical analysis process for establishing a new hospital. What assessments are essential?
2. Discuss comprehensively the difference between demand and need for hospital services. How should both be assessed?
3. Analyze the various factors that influence hospital utilization. How do demographic, economic, and social factors play a role?
4. Explain in detail the bed planning methodology including bed distribution across specialties and calculation methods.
5. Describe the complete process of project cost estimation for a hospital including all cost components.
6. Discuss land requirements and space requirements for different hospital zones with specific area calculations.
7. Elaborate on all hospital drawings and documents required from planning stage to approval stage.
8. Analyze how catchment area analysis, demographic data, and epidemiological factors inform hospital planning decisions.

UNIT IV: Hospital Design

Part A: 1 Mark Questions

1. What are building requirements for hospitals?
2. Define entrance zone.
3. What is ambulatory zone?
4. Name any one component of diagnostic zone.
5. What is intermediate zone?
6. Define critical zone.
7. What is service zone?
8. Name any area in administrative zone.
9. What is OPD?
10. Define ICU.
11. What is an operation theater?
12. Name any service in diagnostic zone.
13. What is a nursing station?
14. Define emergency department.
15. What is CSSD?
16. Name any component of service zone.
17. What is patient ward?
18. Define isolation ward.
19. What is ambulance bay?
20. Name any area in critical zone.

Part B: 5 Marks Questions

1. Explain the building requirements for hospital construction.
2. Describe the design principles for entrance and ambulatory zone.
3. Discuss the components and design of diagnostic zone.
4. Explain the layout and design of intermediate zone.
5. Describe the critical zone and its design requirements.
6. Discuss the service zone and its strategic placement.
7. Explain the administrative zone layout and design.

8. Describe the importance of proper zoning in hospital design.
9. Discuss the design considerations for patient flow in hospitals.
10. Explain the infection control aspects in hospital design.

Part C: 10 Marks Questions

1. Elaborate on the comprehensive building requirements for modern hospital construction including structural and functional aspects.
2. Discuss in detail the design of entrance and ambulatory zone. Include OPD, emergency, and casualty department layout.
3. Explain the diagnostic zone comprehensively covering radiology, laboratory, and other diagnostic services layout.
4. Describe the intermediate zone design including general wards, nursing stations, and support areas.
5. Analyze the critical zone design covering ICU, operation theaters, labor rooms, and recovery areas with infection control measures.
6. Discuss the service zone comprehensively including kitchen, laundry, CSSD, stores, and waste management areas.
7. Elaborate on administrative zone design covering offices, medical records, accounts, and other administrative functions.
8. Compare and contrast the design principles for different hospital zones. How does functional efficiency influence design?

UNIT V: Facilities Planning and Standards

Part A: 1 Mark Questions

1. What is facilities planning?
2. Name any one transport facility in hospitals.
3. What are food services in hospitals?
4. Define communication system.
5. What is hospital information system?
6. Name any minor facility in hospitals.
7. What are general standards?
8. Define voluntary standards.
9. What are mandatory standards?
10. Name any mechanical standard.
11. What are electrical standards?
12. Define HVAC system.
13. What is medical gas system?
14. Name any medical gas used in hospitals.
15. What is biomedical waste?
16. Define color coding for biomedical waste.
17. What is yellow bag waste?
18. Name any one category of biomedical waste.
19. What is NABH?
20. Define hospital accreditation.

Part B: 5 Marks Questions

1. Explain the transport facilities required in hospitals.
2. Describe the food service system in hospitals.
3. Discuss the communication systems in modern hospitals.
4. Explain the components of hospital information system.
5. Describe the minor facilities required in hospitals.
6. Discuss the general standards applicable to hospitals.
7. Explain the difference between voluntary and mandatory standards.

8. Describe the mechanical standards for hospitals.
9. Discuss the electrical standards required in hospitals.
10. Explain the centralized medical gas system.
11. Describe the biomedical waste management system.
12. Discuss the color coding system for biomedical waste.
13. Explain the categories of biomedical waste.
14. Describe the process of biomedical waste handling.

Part C: 10 Marks Questions

1. Elaborate on facilities planning covering transport, food services, communication, and information systems in detail.
2. Discuss comprehensively the various minor facilities and other support facilities required in a modern hospital.
3. Explain in detail the general standards, voluntary standards, and mandatory standards applicable to hospitals.
4. Describe the mechanical standards for hospitals including HVAC requirements for different zones.
5. Elaborate on electrical standards covering power supply, backup systems, earthing, and safety requirements.
6. Discuss the standards for centralized medical gas system including pipeline design, storage, and safety measures.
7. Explain comprehensively the biomedical waste handling process from segregation to final disposal.
8. Analyze the importance of hospital standards and accreditation. How do standards improve quality of care?
9. Describe the complete color coding system for biomedical waste with categories and disposal methods.
10. Compare and contrast national and international standards for hospital facilities and operations.