



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – BBA(HM)-Hons-2023

Course Name – Fundamentals of Hospital Planning

Course Code - BHM30106

(Semester III)

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Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Select the primary function of a hospital.
 - a) Recreation
 - b) Education
 - c) Healthcare
 - d) Finance
- (ii) Show the use of the feasibility study in hospital planning.
 - a) Study of environmental factors
 - b) Assessment of the project viability
 - c) Diagnosis of patients
 - d) Financial assessment only
- (iii) Select the correct definition of "SWOT Analysis."
 - a) Social, Work, Organization, Technology
 - b) Strengths, Weaknesses, Opportunities, Threats
 - c) Safety, Work, Operations, Time
 - d) Success, Wealth, Operations, Techniques
- (iv) Select the main purpose of hospital zoning in planning.
 - a) Decoration
 - b) Patient classification
 - c) Functionality and efficiency
 - d) Cost reduction
- (v) Show the role of a hospital consultant and an architect.
 - a) Consultant: Construction, Architect: Finance
 - b) Consultant: Strategic planning, Architect: Building design
 - c) Consultant: Patient care, Architect: Operations
 - d) Consultant: None, Architect: All
- (vi) Which department from the below mentioned options is typically located near the emergency department in a hospital layout?
 - a) Maternity ward
 - b) Intensive Care Unit (ICU)
 - c) Cafeteria
 - d) Outpatient clinics
- (vii) Select from the following the planning phase that involves the development of detailed architectural and engineering designs for a hospital.
 - a) Conceptual planning
 - b) Strategic planning
 - c) Schematic design
 - d) Operational planning

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- (viii) Choose the purpose of obtaining a hospital license from the relevant health authority.
- To increase the hospital's profit margins
 - To ensure that the hospital meets minimum standards for operation
 - To allow the hospital to advertise its services
 - To enable the hospital to hire staff
- (ix) What should be prioritized when planning the type of hospital?
- Location of the hospital
 - Community needs and available resources
 - Available funding
 - The hospital's architectural design
- (x) What should be considered when designing hospital landscaping?
- Reducing the need for gardening staff
 - Only the aesthetic appeal
 - Therapeutic benefits, environmental sustainability, and patient comfort
 - Maximizing construction space
- (xi) Show the key factor used to design a hospital layout.
- Aesthetic appeal
 - Ease of access for the public
 - Availability of parking
 - All of these
- (xii) Relating with the concept of hospital planning answer the below mentioned question:
Local authority approval is necessary in hospital planning to ensure:
- Compliance with zoning laws
 - Competitive bidding for contracts
 - Hospital branding
 - Staff hiring
- (xiii) Outline the correct answer: The term "environmental impact assessment" in hospital planning refers to:
- Evaluation of the hospital's effect on the local environment
 - Assessment of patient satisfaction with hospital services
 - Analysis of the hospital's financial stability
 - Determination of staff needs in the hospital
- (xiv) Choose the approach that is commonly adopted in modern hospitals to improve patient safety and reduce errors.
- Use of electronic health records (EHR)
 - Relying solely on handwritten notes
 - Minimizing staff training
 - Reducing the use of technology
- (xv) Select the correct option that addresses the issue of sustainability of 21st-century hospitals.
- By using non-renewable energy sources
 - By incorporating green building practices and energy-efficient systems
 - By reducing waste management practices
 - By avoiding the use of recyclable materials

Group-B

(Short Answer Type Questions)

3 x 5=15

- What is regionalization of hospital services? (3)
- What is the primary objective of sanitary requirements in hospital planning? (3)
- Explain how efficient circulation planning can improve the operational flow within a hospital. (3)
- Build the answer mentioning the impact of personalized medicine on hospital care of 21st century. (3)
- Critique the role of a governing board in hospital planning. (3)

OR

Justify the need for environmental analysis before hospital construction. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

- List down the factors that affect the utilization of hospital services. (5)
- Compare the roles of architects and consultants in hospital planning. (5)

9. Illustrate the process of conducting a feasibility study for a new hospital project. (5)
10. Show us the need for human resource planning in a hospital. (5)
11. Develop an answer to justify the factors that influence the projected cost of labor for construction. (5)
12. Explain key considerations for integrating gardening into hospital design and select strategies that enhance both aesthetics and patient well-being. (5)

OR

Explain the type of hospital to its required space for functional and show how these requirements impact overall hospital design. (5)

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