

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023  
(First Semester)

Branch- HOSPITAL ADMINISTRATION

HOSPITAL PLANNING AND ARCHITECTURE

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Question No.	Question	K Level	CO
1	NABH is a constituent board of a. Quality Care of India b. Quality Council of India c. Quality Controller of India d. Bureau of Indian Standards	K1	CO1
2	World Health Organisation (WHO) defines health as a. Complete wellbeing b. A state of absence of disease and deformity c. A state of complete physical, mental and social wellbeing d. Complete physical wellbeing	K2	CO1
3	AHU in HVAC is a. Auxillary Health Unit b. Allied Heat Unit c. Airwasher Heat Unit d. Air Handling Unit	K1	CO2
4	Which of the services are not part of hospital services? a. Essential Services b. Additional Services c. Utility Services d. Administrative Services	K2	CO3
5	Effective hospital lighting will improve a. environment visual quality b. positive vibes c. performance of staff d. all the above	K1	CO3
6	Recommended space per bed in the Intensive Care Unit is a. 50 to 100 sq. ft. b. 100 to 150 sq. ft. c. 150 to 200 sq. ft. d. 250 to 300 sq. ft.	K2	CO2
7	Which is the easiest method of sterilization? a. Chemical Agents b. Dry Heat c. Radiation d. Steam	K1	CO4

Cont....

8	Ambulatory care clinics deal with a. Out Patients                      b In Patients c Both OP and IP                      d Neither OP nor IP	K2	CO4
9	Anatomical wastes are stored in ----- bins a. Red      b Yellow      c Blue                      d White	K1	CO5
10	Identify the areas in which medical technology and services can be improved through hospital-based research a. Clinical Medicine b. Hospital Practices and Administration c. Physical and psycho-social aspects of health and diseases d. All of the above	K2	CO5

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Discuss the changing role of hospitals in the present global scenario.	K4	CO1
	(OR)		
11.b.	Highlight the significance of concept of Green Hospitals.	K4	CO3
12.a.	While designing hospitals, what measures have to be adopted for preventing injuries?		
	(OR)		
12.b.	Explain patient flow in a hospital with a flowchart.	K5	CO5
13.a.	What are the Zones in a hospital? Draw a hospital layout diagram and outline the need for zoning.		
	(OR)		
13.b.	Summarise the standards for biomedical waste management.	K5	CO3
14.a.	List the facilities requirements for specially-abled and aged patients.		
	(OR)	K6	CO5
14.b.	Analyse the role and functions of Day Care Services in hospitals.		
15.a.	Develop a basic plan for implementing Hospital Information System.		
	(OR)	K6	CO5
15.b.	Discuss the importance of Central Sterile Supply Department and Laundry Services.		

**SECTION -C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Question No.	Question	K Level	CO
16	Explain the factors to be considered while selecting a site for constructing a hospital.	K4	CO1
17	Provide guidelines for electrical safety and equipment planning for a hospital.	K4	CO2
18	Categories the standards and guidelines for facilities planning in hospitals.	K5	CO2
19	Critically evaluate the role of super speciality services in a hospital.	K5	CO4
20	Predict the emerging trends and challenges in hospital planning.	K6	CO5

Z-Z-Z END