

**PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)**  
**MSc DEGREE EXAMINATION DECEMBER 2025**  
**(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  $(10 \times 1 = 10)$

**Cont.**

**SECTION - B (35 Marks)**

Answer ALL questions

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

Module No.	Question No.	Question	K Level	CO
1	11.a.	Discuss the changing roles of hospitals. (OR)	K2	CO1
	11.b.	Discuss the key factors to be considered when choosing a site for a hospital.		
2	12.a.	Examine the relationship between bed distribution and space utilization in a multispecialty hospital. (OR)	K3	CO2
	12.b.	Evaluate how interior design and environmental considerations influence patient recovery.		
3	13.a.	Analyze the significance of mechanical and electrical standards in hospital construction. (OR)	K4	CO3
	13.b.	Examine the planning and safety requirements for a centralized medical gas system.		
4	14.a.	Evaluate the design and workflow requirements of the Outpatient Department. (OR)	K4	CO4
	14.b.	Examine the design considerations for Dialysis Units, and Radiotherapy Units that balance patient comfort with clinical efficiency.		
5	15.a.	Assess the effectiveness of Lighting and Wayfinding systems in improving patient experience. (OR)	K4	CO5
	15.b.	Examine the emerging trends in hospital design and layout, focusing on sustainability.		

**SECTION - C (30 Marks)**

Answer ANY THREE questions

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

Module No.	Question No.	Question	K Level	CO
1	16	Analyse the importance of green building concepts in promoting sustainability in hospital infrastructure.	K3	CO1
2	17	Examine emerging trends and environmental considerations shaping the future of hospital architecture.	K4	CO2
3	18	Critically assess the role of biomedical equipment standards in maintaining quality and patient safety.	K4	CO3
4	19	Examine how laboratory and imaging services should be planned for maximum diagnostic accuracy and workflow.	K4	CO4
5	20	Evaluate the interrelationship between CSSD, Laundry, and Catering units in maintaining hospital hygiene.	K5	CO5