

Paper Id: **101708**Roll No: 

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**B.Tech**  
**(SEM VII) THEORY EXAMINATION 2019-20**  
**HOSPITAL MANAGEMENT SYSTEM**

**Time: 3 Hours****Total Marks: 70****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief. 2 x 7 = 14**

a.	What is the use of Formaldehydes in Hospitals?
b.	What is sterilizing?
c.	Name the most common radiological system.
d.	Write the full form of UPS.
e.	What are the equipments used in operation Theatre?
f.	Define dietary.
g.	What is the nurses role in patient safety?

**SECTION B****2. Attempt any three of the following: 7 x 3 = 21**

a.	Describe Radiology, Central labs, Blood banks, OPD, Casualty.
b.	What are the different Types of risks in the hospitals? Discuss Specification & estimation for hospital wiring.
c.	Write a short note on Deodourization, disinfection, dehumidification and cryogenic systems.
d.	Explain Computerized preventive maintenance planning & MROs.
e.	Describe Networking, its topologies and configuration.

**SECTION C****3. Attempt any one part of the following: 7 x 1 = 7**

(a)	How Location and environment of hospital is selected?
(b)	What are the features of Modern Hospital Architecture? Explain space in a hospital building, design of ward, intensive care units, waste disposal.

**4. Attempt any one part of the following: 7 x 1 = 7**

(a)	What are Radiation hazards? Explain radiation detection safety measures standards.
(b)	Write a short note on <b>Design of sub stations, breakers, Surge protectors, EMI filters</b> related to Electrical power systems in hospitals.

**5. Attempt any one part of the following: 7 x 1 = 7**

(a)	What are fire fighting equipments? Explain Centralized supply of air in hospital management system.
(b)	Explain in detail Principle of production of liquid oxygen.

**6. Attempt any one part of the following: 7 x 1 = 7**

(a)	Write a short note on biomedical Engineering, clinical engineering & hospital engineering.
(b)	Explain the Necessity for standardization, FDA, AERB.

**7. Attempt any one part of the following: 7 x 1 = 7**

(a)	What is the Need for evolving health policy? Describe health organization in state, health financing system.
(b)	Explain in detail the Training of men for <b>medical equipments preventive and periodical maintenance procedures.</b>