

# GUJARAT TECHNOLOGICAL UNIVERSITY

## Biomedical Engineering

### B. E. SEMESTER: VII

Subject Name: **Hospital Management & Clinical Technology**

Subject Code: **170304**

Teaching Scheme				Evaluation Scheme			
Theory	Tutorial	Practical	Total	University Exam (E)		Mid Sem Exam (Theory) (M)	Practical (Internal)
				Theory	Practical		
3	0	2	5	70	30	30	20

Sr. No	Course Content	Total Hrs.
1.	<b>Various Aspects of Hospital Services:</b>	4
2.	Outdoor Patient, Indoor, Supportive, Emergency, Dietary, Nursing, Medical Supplies Etc.	4
3.	Hospital Administrative Hierarchy & Typical Layout of a Hospital Showing Various Departments.	4
4.	Organization of Various Clinical Departments.	4
5.	<b>Organization Of Bio-Medical Engineering Department:</b> Duties & Responsibilities Activity Planning Dept Layout, Staff Deployment , Equipment Deployment , Tools Requirement , Planning Of Document Such As Operating Manual, Ckt Diagrams, Data-Book , Preventive Maintenance Schedule ,Data Bases Of Equipment Supply, Tech. Specification Of Equipments, List Of Users, Spare Part List.	8
6.	Patient Care Services Recovery Room , ICU, ICCU, PICU, NICU	4
7.	<b>Support Services:</b> Central Sterilization Service, Kitchen, Laundry Etc.	4
8.	Organization Of Operation Theatre, Blood Bank & Physiotherapy & Rehabilitation Center	4
<b><u>Hospital Management:</u></b>		
9.	<b>General Management Functions:</b> Planning, Co-ordinating, Monitoring, Controlling, Decision Making,	4

	Motivation.	
10.	<b>Management Information System For Hospital:</b> Information gathering & acquisition, flow, storage, processing, hospital statistics, use of computer in database management.	8
11.	Material Management, Personnel Management & Quality Management & Audit	4
12.	Maintenance Management, Waste Management, Cost Control & Financial Management	4

**Text Book:**

1. Principles of Hospital Administration & Planning --Dr. B.M. Sakharkar, J.P.Brothers.

**Reference Books:**

1. Managing Administration Morden Hospital --A B Srinivasan ,Response Book
2. Hospital Planning & Administration --Clewelyn-Davis , J.P.Brothers
3. Human Resource Management In Hospital --R.C.Goyal, PHI ,New Delhi
4. Hospital & Health Care Administration --Shakti Gupta ,J.P.Brothers