

HOSPITAL MANAGEMENT/ BIOETHICS/ BIOSTATISTICS

PBM7J004 HOSPITAL MANAGEMENT

Module -I (15 Hours)

Organization of the Hospital : Organizational Structure, Governance, Duties & Responsibilities of Governing Board, Management Structure, Duties, responsibilities & functions of CEO, CEO & his management team.

Classification of Hospitals – Primary Health Care Centre, General Hospital, Specialty Hospital, Teaching & Research Hospital- Their Role and Functions.

Planning the Hospital Building- General principles, General Features, Building Contracts &

Contract Documents, Furnishing & Equipping the Hospital. The Design team & its role – The

Architect, Engineers & Hospital Administrators

Module -II (15 Hours)

Overview, Location, Design & Organization of the Following Departments: Emergency Services, Clinical Laboratories, Diagnostic Radiology, Surgical Department (OT), Intensive Care Units (ICU), Central Sterilization & Supply Department (CSSD).

Overview, Design, Location & Organization of the following Engineering services:

Electrical Engineering, Civil Engineering, Maintenance Engineering, Air-Conditioning system,

Centralized Medical Gas System, Information Technology (IT), and Telecommunication

Engineering.

Module -III (10 Hours)

Clinical Engineering: Definition of Clinical Engineering, Evolution of Clinical Engineering, Hospital Organization & role of Clinical Engineering, Clinical Engineering programs, Major Functions of Clinical Engineering department.

Management & Assessment of Medical Technology: The Health Care Delivery System, Strategic Technology planning, Technology Assessment, Equipment Acquisition & Deployment.

Text Books:

1. Hospital: Planning, Design & Management – G.D. Kunders, S.Gopinath, A, Katakam-Tata McGraw Hill -1998.
2. Biomedical Engineering Hand Book 3rd Edition (Medical Devices & Systems) – Joseph D. Bronzino- CRC- Tylor & Francis-2006.