

B.TECH SEM – VII (2007 COURSE) (BIOMEDICAL ENGG.) :
WINTER - 2017
SUBJECT : HOSPITAL MANAGEMENT

Day **Friday**
Date **19/01/2018**

Time **02.30 PM TO 05.30 PM**
Max. Marks : **80**

W-2017-2625

N.B.

- 1) **Q.1 and Q.5 are COMPULSORY.** Out of the remaining attempt any **TWO** questions from each section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Assume suitable data if necessary.

SECTION – I

- Q.1**
- a) What are the functions of radiological services in the hospital? **(05)**
 - b) Draw the tree diagram of management hierarchy of hospital. **(05)**
 - c) Draw and explain architecture of ICU/CCU in hospital. **(04)**
- Q.2**
- a) What are the benefits of Hospital Information System? **(06)**
 - b) Write in brief about following: **(07)**
i) Equipment planning ii) Responsibilities of CEO.
- Q.3**
- a) List the policies and procedures of diagnostic radiology department. **(06)**
 - b) Describe the location, design and organization of clinical laboratories. **(07)**
- Q.4**
- a) Describe the facilities required at the ICU nurse station. **(07)**
 - b) Comment on 'Location of newborn nurseries in the hospital'. **(06)**

SECTION – II

- Q.5**
- a) Write a note on "Theft and Fraud in Engineering department in the hospital". **(05)**
 - b) Which departments in the hospital require air conditioning and why? **(05)**
 - c) What are the medical standards for hospitals and equipments? **(04)**
- Q.6**
- a) Describe the design, space, facilities and utilities of Biomedical Engineering department. **(07)**
 - b) Explain preventive maintenance programme in detail. **(06)**
- Q.7**
- a) Suggest a suitable communication system for hospital of 100 beds. **(06)**
 - b) What precautions and controls are necessary in various areas of the hospital services by centralized medical gas system? **(07)**
- Q.8**
- a) What are the general safety rules in the hospital? **(06)**
 - b) Write a note on "Disaster Management in the hospital". **(07)**

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