

**B.TECH. SEM -VII BIO MEDICAL 2014 COURSE (CBCS) :**

**WINTER - 2017**

**SUBJECT: ELECTIVE-II 1) HOSPITAL MANAGEMENT**

Day: **Monday**  
Date: **22/01/2018**

Time: **02.30 PM TO 05.30 PM**  
Max Marks. **60**

**W-2017-2332**

**N.B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data if necessary.

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**Q.1** Describe in detail the role of Chief Executive Officer of Hospital management structure. List the qualities of Chief of the Hospital must possess. **(10)**

**OR**

With the help of typical workflow in Hospital setup, explain the Hospital information system. **(10)**

**Q.2** Explain the location and design of clinical laboratories. List the functions of clinical laboratory department. **(10)**

**OR**

- a) Describe diagnostic services provided in the Hospital. **(06)**
- b) Draw a plan of emergency department. **(04)**

**Q.3** What are the important points to consider before designing ICU? Explain in detail design considerations of ICU. **(10)**

**OR**

- a) Discuss the location of general and central nursing unit. **(06)**
- b) Explain the design principles of newborn nursing services. **(04)**

**Q.4** Explain in detail the location and design principles of Engineering Department. **(10)**

**OR**

Describe organization of Biomedical Engineering Department in detail. **(10)**

**Q.5** Describe the importance of air conditioning system in Hospital. Also explain design criteria of air conditioning system for operating rooms and equipment rooms. **(10)**

**OR**

- a) List the functions of Central Sterilization and Supply Department (CSSD) and location of CSSD in Hospital. **(06)**
- b) Summarize the transportation system in Hospital in brief. **(04)**

**Q.6** Define disaster. Explain disaster preparedness plan. **(10)**

**OR**

- a) Explain security and prevention loss program of Hospital. **(06)**
- b) Describe physical security. **(04)**

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