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**Question Paper Code: UB302**

B.E./B.Tech. DEGREE EXAMINATION, NOV 2024

Professional Elective

Biomedical Engineering

21BMV302 - HOSPITAL PLANNING AND MANAGEMENT

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10x 2 = 20 Marks)

1. List the role of Biomedical Engineers in Hospital. CO1- U
2. Outline the dos and don'ts in hospital. CO1- U
3. Mention the importance of Human Resource Management. CO2- U
4. Compare transfer and promotion in HRM. CO2- U
5. How can marketing research help a company identify and evaluate market opportunities? CO1- U
6. What are the major types of buying situations. CO1- U
7. How do Clinical Information Systems improve patient care and safety in healthcare settings? CO1- U
8. Write about medical records department. CO1- U
9. Compare JCAHO and JCI. CO1- U
10. Write about NABA, JCI, NABL, NABH. CO1- U

PART – B (5 x 16= 80 Marks)

11. (a) Explain the essential concepts in Bio-Medical Waste Management. CO1 U (16)  
Or  
(b) Discuss about equipment planning and process of a hospital CO1 U (16)

12. (a) Explain in detail about Human Resource Management. CO2- U (16)  
Or  
(b) Explain the importance of workforce diversity and inclusion in a hospital's human resource management practices. CO2- U (16)
13. (a) Elucidate in detail about the following CO1 U (16)  
i) Market Research process  
ii) Consumer Buyer Behaviour  
Or  
(b) Explain the concept of a research report in the context of market research. What elements should be included in a comprehensive research report? CO1 U (16)
14. (a) Explain the role of Electronic Health Records (EHR) in Clinical Information Systems and their impact on healthcare delivery. CO1- U (16)  
Or  
(b) Elucidate in detail about the different supportive departments in Hospital. CO1- U (16)
15. (a) You are the security manager at a hospital, and there have been instances of theft of medical supplies and equipment. How would you design a comprehensive security strategy to prevent these incidents? What technological solutions and staff training programs would you implement? CO3-Ap (16)  
Or  
(b) (i) Integrate different actions to be done when there is a fire in your area.(ii) Categorize the basic responsibilities of every hospital employee in case of fire safety. CO3-Ap (16)