

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 3522

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Unique Paper Code : 6322473603

Name of the Paper : HOSPITAL ENGINEERING
& BIO-MEDICAL
E N G I N E E R I N G
(DSE-18)

Name of the Course : B.Voc. (Healthcare
Management)

Semester : VI

Duration : 3 Hours

Maximum Marks : 90

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt five out of the seven questions.
3. All questions carry equal marks.

1. What is Bio-Medical Equipment? List of common Medical Equipment used in Hospital (2,16 =18)
2. What factors influence the budgeting of bio medical equipment? How do you estimate the cost of Medical Equipment (9 , 9 = 18)

P.T.O.

3. What is the difference between Preventive and Corrective Maintenance? What is Breakdown Report and what details should it include? What are the mandatory records to maintain during an NABH audit for equipment maintenance? (3 x 6 = 18)
4. Define Break Even Point ? Write the formula for calculating BEP in units. A hospital buys a diagnostic machine for Rs.15,00,000. The hospital charges Rs.1,500 per test, with variable cost of Rs-500 per test. How many tests must be done to break even? (2,6,10 = 18)
5. What is calibration and why it is important in a medical setting? Describe equipment selection guidelines (9, 9 = 18)
6. Briefly describe the following (3* 6 = 18 Marks)
- a) AMC & CMC
 - b) Quality Control Planning of Bio-medical Equipment
 - c) Buy back Policy
7. Why it is important to assess local, National and International availability of Medical Equipment?
- What is condemnation and disposal of medical equipment? (9,9 = 18)