

**B.Sc. IN ANAESTHESIA AND CRITICAL CARE
TECHNOLOGY (BACT)**

Term-End Examination

December, 2016

00123

BAHI-082 : BIOMEDICAL INSTRUMENTATION

Time : 3 hours

Maximum Marks : 70

Note : Attempt any six questions. Question no. 8 is compulsory.

1. Discuss End-Tidal Carbon dioxide tracing. 10
2. Classify vapourisers and describe any one vapouriser. 10
3. Explain the types of humidifiers in detail. 10
4. (a) Define Mapleson Breathing System.
(b) Classify Anaesthesia Breathing Circuits.
(c) Describe Mapleson A. 2+3+5=10
5. Discuss the methods of warming a patient intraoperatively. 10

6. Describe the different types of defibrillators. 10
7. Discuss the methods of sterilization in the OT. 10
8. Write short notes on any *four* of the following : $4 \times 5 = 20$
- (a) Oxygen Analyser
 - (b) Pacemakers
 - (c) Types of Cautery and their Circuitry
 - (d) Parts of an Operating Room Table
 - (e) Boyle's Law and Charles' Law
 - (f) Operation Theatre Lights
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