

00479 B.Sc. IN ANAESTHESIA AND CRITICAL CARE
TECHNOLOGY (BACT)

Term-End Examination

June, 2017

BAHI-082 : BIOMEDICAL INSTRUMENTATION

Time : 3 hours

Maximum Marks : 70

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

1. Discuss Physics of Flowmeters. 10
2. Describe parts and types of oxygen cylinders. 10
3. Explain the methods to prevent fire in the OT in detail. 10
4. Discuss the methods of sterilization in OT. 10
5. Explain scavenging in OT methods. 10
6. Describe a normal ECG and artefacts associated with it. 10
7. Classify vapourisers and describe any one vapouriser. 10

8. Write short notes on **any four** of the following :

- (a) Intravenous Infusion Pumps **4x5=20**
 - (b) C-arm machine in OT
 - (c) Precautions in manifold room
 - (d) Tests for gas cylinder check
 - (e) Pin index system
 - (f) Sevoflurane vaporiser
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