

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

00012

**Term-End Examination
December, 2013**

**BAHI-076 : EQUIPMENT CARE AND
MAINTENANCE**

Time : 3 hours

Maximum Marks : 70

PART-A

Answer any five questions. Each question carries
8 marks.

5x8=40

1. What are the sources of biomedical signals? Write in brief about them with the help of a diagram.
2. What are the types of laser? Describe the laser applications in bio-medical field.
3. How is a twelve lead ECG taken? Describe the positions of electrodes and the specific leads recorded.
4. What are transducers? Write the classification and the factors which decide the choice of a particular transducer.
5. What are the various modes that are set on the ventilator? Briefly describe 3 of them.
6. Write an essay on non-invasive ventilation.

7. What are the different modes of sterilization used in the operation theatre ?
8. What are the complications of mechanical ventilation ?

PART - B

Write short notes on **any five** of the following.

Each question carries **6** marks.

5x6=30

1. Bipap ventilation
 2. Indicators for sterilization
 3. Conduction system of heart
 4. PEEP
 5. Electrode gellies
 6. Microbial surveillance and sampling
 7. Normal arterial blood gas picture
 8. Universal precautions
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