

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**PARUL UNIVERSITY**  
**DEPARTMENT OF PARAMEDICAL AND HEALTH SCIENCES**  
**B.Sc. Med.Sci. , April – 2023 Examination.**

**Year: 2**

**Date: 07/04/2023**

**Subject Code: 19109205**

**Time: 10:00 am to 10:45 am**

**Subject Name: Biomedical Engineering**

**Total Marks: 30**

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**Instructions:**

1. Attempt all questions from each section
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.

**Q.1: Definition (any 5 out of 6) (Each 1 Mark) 05**

- (i) AGSS
- (ii) Colour code of VAC in MGPS
- (iii) MGPS
- (iv) Oxygen
- (v) Types of anesthesia machine
- (vi) X-rays

**Q.2: Short question (any 5 out of 6) (Each 2 Mark) 10**

- (i) Component of anesthesia machine
- (ii) Importance of to know about radiographic equipment.
- (iii) List out oxygen delivery methods
- (iv) List out the airway opening techniques.
- (v) List out the gas piping which is used in hospitals
- (vi) OPA & NPA

**Q.3: Long question (any 3 out of 4) (Each 5 Mark) 15**

- (i) Airway management.
- (ii) Anesthesia machine.
- (iii) Intubation.
- (iv) Oxygen delivery systems.