

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

Enrolment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**DEPARTMENT OF PARAMEDICAL AND HEALTH SCIENCES**  
**B.Sc. Med. Sci. Examination April-2022-23**

**Year: 3**

**Subject Code: 19109302**

**Subject Name: Operation theatre technology II**

**Date: 13/04/2023**

**Time: 10:00 am to 1:00 pm**

**Total Marks: 70**

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**Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1(A): Answer the following questions in details (2 out of 3) (Each worth 7.5 marks) 15 marks**
- (i) Explain detail about CPR.
  - (ii) Short note: Anaesthetic machine.
  - (iii) Explain about types of anaesthesia.
- Q.1(B): Answer in short (5 out of 7) (Each worth 1 marks) 05 marks**
- (i) Write the indication of ET Tube?
  - (ii) Name of the gauge of IV cannula required in paediatric patient.
  - (iii) What is the colour code for nitrous oxide gas supply system?
  - (iv) What is the formula to calculate BMI?
  - (v) HME filter Stands for:
  - (vi) What is the time limit for Suctioning?
  - (vii) What is the ratio of chest compression in infant?
- Q.2(A): Write short notes on any of the following (3 out of 5) (Each worth 5 marks) 15 marks**
- (i) Explain about pre-Aesthetic check list.
  - (ii) Explain Antiemetic drugs.
  - (iii) Short note: Atropine
  - (iv) Write detail about difficult airway management.
  - (v) Post-operative care of patient after general anaesthesia.
- Q.2(B): Answer in short (5 out of 7) (Each worth 1 marks) 05 marks**
- (i) What is a normal BMI?
  - (ii) AMBU Stands for:
  - (iii) Enlist name of the drug & the class of drug commonly used as Anxiolytic.
  - (iv) List out complication of ET Tube.
  - (v) How to treat nausea and vomiting during post-operative?
  - (vi) What is the name of paediatric circuit?
  - (vii) NRBM Stands for:
- Q.3: Write a detailed note on the following (2 out of 3) (Each worth 7.5 marks) 15 marks**
- (i) Pre-operative preparation for general anaesthesia and methods of ET intubation.
  - (ii) Short notes: Suction Machine
  - (iii) Explain about breathing circuits.
- Q.4: Write short notes on any of the following (3 out of 5) (Each worth 5 marks) 15 marks**
- (i) What is BMI? Explain BMI with a chart.
  - (ii) Short note: ASA Grading.
  - (iii) Short note: Fentanyl.
  - (iv) Write goals of pre-assessment.
  - (v) Explain detail about laryngoscope.