

# National Board of Examinations

**Question Paper Name :** DNB Anaesthesiology Paper1

**Is this Group for Examiner? :** No

**Enable Mark as Answered Mark for Review and Clear Response :** Yes

**Question Number : 1 Question Type : SUBJECTIVE**

Enumerate the buffer systems of the body. Discuss the renal compensation of metabolic acidosis. [5+5]

**Question Number : 2 Question Type : SUBJECTIVE**

Discuss the functional analysis of Mapleson D circuit with the help of a diagram. What is Pethick's test and how is it performed ? [6+4]

**Question Number : 3 Question Type : SUBJECTIVE**

Define functional residual capacity and closing volume. What is their importance in anaesthesia practice? Enumerate factors affecting functional residual capacity and closing volume. [2+2+6]

**Question Number : 4 Question Type : SUBJECTIVE**

- a) Cardioversion. [5]
- b) Aortocaval compression. [5]

**Question Number : 5 Question Type : SUBJECTIVE**

What are the indications of transversus abdominis plane block? With the help of a diagram, describe the block. [4+6]

**Question Number : 6 Question Type : SUBJECTIVE**

Discuss ethical issues:

- a) In informing the relative about an adverse event (intraoperative cardiac arrest) of his patient who was successfully resuscitated but is now to be shifted to the Intensive Care Unit for elective ventilation. [5]
- b) In a pregnant patient as a research subject. [5]

**Question Number : 7 Question Type : SUBJECTIVE**

What is anion gap and how do you calculate it? Enumerate the clinical conditions where the anion gap is deranged. [5+5]

**Question Number : 8 Question Type : SUBJECTIVE**

- a) Graded oxygen therapy. [5]
- b) Oxygen supply failure prevention systems. [5]

**Question Number : 9 Question Type : SUBJECTIVE**

- a) Standard deviation in statistical data. [5]
- b) Impact factor. [5]

**Question Number : 10 Question Type : SUBJECTIVE**

Define massive blood loss and enumerate methods of blood conservation. [5+5]