

# National Board of Examinations

**Question Paper Name :** Diploma Anaesthesiology Paper3  
**Subject Name :** Diploma Anaesthesiology Paper3  
**Duration :** 182  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0  
**Is Section Default? :** No

**Question Number : 1 Question Id : 32718745920 Consider As Subjective : Yes**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Discuss pre-operative evaluation, preparation, intraoperative and post operative anaesthetic management of a 3-year-old child posted for sacro coccygeal tumour. [2+3+3+2]

**Question Number : 2 Question Id : 32718745921 Consider As Subjective : Yes**

Give a detailed functional analysis of video-laryngoscope and its advantages in anesthesia practice. [5+5]

**Question Number : 3 Question Id : 32718745922 Consider As Subjective : Yes**

A 35-year-old male patient was admitted in emergency department with increasing abdominal pain and no passage of flatus or faeces since past 5 days. On evaluation, it revealed that he was a case of severe mitral stenosis. He is listed as semi-emergency laparotomy in view of intestinal obstruction. Discuss his preoperative assessment, preparation and intraoperative anaesthetic management. [2+3+5]

**Question Number : 4 Question Id : 32718745923 Consider As Subjective : Yes**

- a) Write any four methods to prevent hemodynamic response to laryngoscopy and intubation. [4]
- b) Write about pre-operative management of dual antiplatelet therapy in elective and emergency surgery. [6]

**Question Number : 5 Question Id : 32718745924 Consider As Subjective : Yes**

- a) Define hypothermia. [1]
- b) Mention reasons why we should maintain normothermia. [3]
- c) Write methods to prevent hypothermia in a neonate. [4]
- d) Mention differences in resuscitation guidelines of an hypothermic adult rescued from avalanche. [2]

**Question Number : 6 Question Id : 32718745925 Consider As Subjective : Yes**

- a) Anaesthetic management of an adult with penetrating eye injury. [6]
- b) Peribulbar blocks versus retrobulbar block. [4]

**Question Number : 7 Question Id : 32718745926 Consider As Subjective : Yes**

- a) Define minimum alveolar concentration (MAC). Enumerate factors affecting MAC. What is its significance in anaesthesia? [2+2+3]
- b) Aldrete score. [3]

**Question Number : 8 Question Id : 32718745927 Consider As Subjective : Yes**

A 45-year-old male, smoker for last 24 years with COPD, is posted for repair of ventral hernia. Discuss the anesthetic concerns, pre-operative evaluation, optimization and recommended intra-operative ventilatory strategies in this patient. [2+2+3+3]

**Question Number : 9 Question Id : 32718745928 Consider As Subjective : Yes**

- a) Discuss indications and contraindications of total parenteral nutrition in ICU. [3+3]
- b) Write advantages of enteral feeding in comparison to parenteral. [4]

**Question Number : 10 Question Id : 32718745929 Consider As Subjective : Yes**

a) Discuss transfusion of synthetic colloids (HES, Dextran) vs natural colloids (blood, blood products, albumin). [5]

b) Use of dexmedetomidine in the operation theatre and ICU. [3+2]