

FINAL EXAM  
JUNE 2018

NATIONAL BOARD OF EXAMINATIONS

**ANAESTHESIOLOGY****PAPER-III**TIME: 3 HOURS  
MAX. MARKS: 100

ANS/J/18/01/III

**IMPORTANT INSTRUCTIONS**

- This question paper consists of 10 questions divided into Part "A" and part "B", each part containing 5 questions.
- Answers to questions of part A and part B are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets of Part A and Part B are not to be tagged together.
- Part A and Part B should be mentioned only on the covering page of the respective answer sheets.
- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write short notes on:****PART A**

1. A 35-year-old female, diagnosed case of primary infertility, is scheduled for ovum retrieval under general anaesthesia. Describe the pre-operative preparation and anaesthetic management for this patient. 5+5
2. Pre-operative evaluation and anaesthetic management of a 60-year-old patient with diabetic ketoacidosis scheduled for emergency below knee amputation of left leg. 4+6
3. A 5-year-old child (weight 20kg) who underwent tonsillectomy 2 hours earlier is scheduled for re-exploration for bleeding from oral cavity. Describe the pre-operative evaluation, preparation and anaesthetic management. 3+3+4
4. a) Peribulbar block - technique and complications 5+5  
b) Fresh frozen plasma - Indications and advantages
5. What are the anaesthetic concerns for a 45-year-old patient posted for laser microlaryngeal surgery? Enumerate the steps for management in case of airway fire. 6+4

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- Answers to questions of Part A and part B are to be strictly attempted in separate answer sheets and the main + supplementary answer sheets used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

**PART B**

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| 6. a) Prevention and management of hepatorenal syndrome in a patient with obstructive jaundice.        | 5+5 |
| b) Cuffed versus Un-cuffed endotracheal tubes use in paediatric patients.                              |     |
| 7. What is brain death? Describe briefly the steps for diagnosis of brain death.                       | 3+7 |
| 8. a) Airway management in a patient for ambulatory surgery.   | 5+5 |
| b) Discharge criteria for a patient who has undergone day care surgery under general anaesthesia.      |     |
| 9. Diagnosis and management of intraoperative pulmonary edema.   | 3+7 |
| 10. a) Clinical importance of anatomical and physiological dead space.                                 | 5+5 |
| b) Carbonic acid-bicarbonate buffering system – its application in the management of a patient in ICU. |     |

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