

# NEET SS 2024 Diploma Anaesthesiology Paper2 Question Paper with Solutions

Time Allowed :3 Hours	Maximum Marks :100	Total Questions :10
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## General Instructions

Read the following instructions very carefully and strictly follow them:

1. The test is of 3 hours duration.
2. The question paper consists of 10 questions. The maximum marks are 100.
3. Each Question is of 10 marks.

1.a What is Total Intravenous Anaesthesia (TIVA)? Describe target-controlled infusion.

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1. b) Enumerate the indications, advantages, and disadvantages of TIVA.

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2. a) Enumerate the objectives and measures for pre-operative optimization of a pheochromocytoma patient.

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2. b) Describe anaesthetic technique for intra-operative management of pheochromocytoma.

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3. a) Discuss the post-operative pain management modalities in a 58-year-old female with carcinoma right breast planned for modified radical mastectomy.

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3. b) Post-spinal shivering.

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4. a) What are the techniques for controlled hypotensive anaesthesia?

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4. b) Indications, contraindications, and complications of controlled hypotensive anaesthesia.

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5. A 3-year-old child presents with respiratory distress and the child is planned for emergency bronchoscopic removal of foreign body in the right main bronchus. Discuss the anaesthetic concerns, technique of anaesthetizing this patient and possible complications.

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6. a) Methods to prevent haemodynamic response to laryngoscopy and intubation.

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6. b) Atrial fibrillation - types and management.

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7. a) What is blood component therapy? Describe via a flow chart how different blood components are obtained from whole blood.

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7. b) How are platelets stored? Enumerate indications and complications of platelet transfusion.

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8. a) Compare and contrast Ropivacaine and Bupivacaine.

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8. b) Discuss the anaesthetic implications of autonomic neuropathy.

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9. A 48-year-old patient known case of chronic kidney disease on hemodialysis, is posted for percutaneous nephrolithotomy (PCNL). Discuss the anaesthetic concerns and technique for conduct of anaesthesia for this patient, with rationale.

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10. a) Possible causes of airway obstruction following thyroid surgery and management.

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10. b) Discuss the anaesthesia technique for modified electro-convulsive therapy (ECT).

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