

MODEL QUESTION PAPERS**QP Code:****Reg. No. :.....****MD Degree Examinations in Anaesthesiology****(Model Question Paper)****Paper I – History, Basic Sciences & Equipments****Time: 3 hrs****Max marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:**(20)**

1. Describe the Anatomy of Neuro-Muscular junction. Discuss the physiology of neuromuscular transmission. What are the types of neuromuscular blockade. Classify neuromuscular blocking drugs. How will you monitor neuromuscular transmission peri operatively. (4+4+4+4+4 =20)

Short essays:**(10x8=80)**

2. Flow meter assembly
3. Internal jugular vein cannulation
4. End tidal CO₂ monitoring
5. Physiological changes during pregnancy
6. Depth of Anesthesia
7. Tests of coagulation
8. Renal function tests
9. Magnesium

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MD Degree Examinations in Anaesthesiology**(Model Question Paper)****Paper II – Clinical Anaesthesia in Relation to Basic Specialities****Time: 3 hrs****Max marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:**(20)**

1. A 60 year old man with Type 2 Diabetes Mellitus 5 years and Coronary artery disease 1 year is posted for open cholecystectomy. Discuss the preoperative evaluation of the patient. How will you optimize the patient pre-operatively. What is your plan of anaesthetic technique. Discuss the anesthetic management and post-operative care.
(5+5+5+5=20)

Short essays:**(10x8=80)**

2. Post operative nausea and vomiting
3. Hypothermia
4. Anaesthetic concerns of geriatric patients
5. Peri operative glycemic control
6. Desflurane
7. Supraglottic airway devices
8. Ankle block
9. Pulmonary oedema

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MD Degree Examinations in Anaesthesiology**(Model Question Paper)****Paper III – Clinical Anaesthesia in Relation to Subspecialities****Time: 3 hrs****Max marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:**(20)**

1. A 30 year old patient with acoustic neuroma is posted for posterior fossa surgery. Discuss the Pre-operative evaluation and preparation. How will you position the patient for the surgery. Describe the intra-operative complications and their management.

(5+5+10=20)**Short essays:****(10x8=80)**

2. Noradrenaline
3. Complications and treatment of trans-urethral resection of prostate.
4. Cardioplegia
5. Anaesthesia for rigid bronchoscopy for a 4 year old child with Foreign body Bronchus.
6. Synthetic functions of liver
7. Paediatric epidural anaesthesia.
8. Renal replacement therapy.
9. Brain death.

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MD Degree Examinations in Anaesthesiology**(Model Question Paper)****Paper IV – Recent Advances, Intensive Care & Pain Medicine****Time: 3 hrs****Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:**(20)**

1. A 50 year old patient with Carcinoma head of pancreas is admitted with severe pain. What are the methods to provide pain relief for this patient. Describe the technique of coeliac plexus block. Enumerate the complications of the procedure.

(7+7+6 =20)**Short essays:****(10x8=80)**

2. Infection control in ICU.
3. Labor analgesia – recent advances.
4. Deep vein thrombosis-Prophylaxis and management
5. Dexmedetomidine
6. Multicasualty triaging.
7. Environmental hazards in Operation theatres
8. Enteral nutrition in ICU Patients.
9. PEEP