

M.D. DEGREE EXAMINATION, MARCH 1990

Branch X - Anaesthesiology

Part II

Paper II - ANAESTHESIOLOGY

Time : Three hours.

SECTION I

1. Discuss the anaesthetic management for an emergency operation having the problem of uncontrolled diabetes.
2. Discuss the anaesthetic problems in 'obese patients'.

SECTION II

3. Write notes on:
 - (a) Anaesthetic problems in myxoedema.
 - (b) Malignant hyperpyrexia.
 - (c) Explosion in operation theatre.
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March-1990

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M.D. DEGREE EXAMINATION, MARCH 1990.

Branch X — Anaesthesiology

Part II

ANAESTHESIOLOGY

Time : Three hours.

Answer ALL the questions.

1. Discuss the anaesthetic problems and management of a diabetic and severely hypertensive patient for suprapubic prostatectomy.
 2. How will you recognise a susceptible individual for malignant hyperpyrexia? Discuss the anaesthetic management for a major surgical procedure in such an individual.
 3. Discuss the various methods employed for post-operative pain relief.
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M.D. DEGREE EXAMINATION, MARCH 1991.

Branch X — Anaesthesiology

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours.

Answer ALL questions.

1. Discuss the preparation, anaesthetic management and complications — with preventive and curative aspects, of PORTO-CAVAL SHUNT surgery.
 2. Discuss the assessment and anaesthetic management of a hypertensive patient for major abdominal surgery.
 3. Write short notes on :
 - (a) Acute thyroid crisis.
 - (b) Pulse oximetry.
 - (c) Post-spinal headache.
 - (d) Induced hypotension.
 - (e) Neonatal resuscitation.
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M.D. DEGREE EXAMINATION, SEPTEMBER 1991.

Branch X — Anaesthesiology

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours.

Maximum : 100 marks.

1. A 62 year old hypertensive patient is scheduled for Trans-Urethral Resection of Prostate (T.U.R.P.). He is on antihypertensive therapy and his present blood pressure is 140/90 mm Hg. Discuss the Perioperative management of this patient. (25 marks)
 2. Discuss the anaesthetic management of a one month old infant undergoing repair of inguinal hernia. (25 marks)
 3. Write short notes on :
 - (a) Rapid sequence induction.
 - (b) Aortocaval compression.
 - (c) Hypotensive anaesthesia.
 - (d) Deep hypothermic and circulatory arrest.
 - (e) Pressure support ventilation.(5×10=50 marks)
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M.D. DEGREE EXAMINATION, MARCH 1992

Branch X — Anaesthesiology

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

1. Discuss the pre-operative preparation, anaesthetic management and post-operative care of a 50 year old male scheduled for right pneumonectomy for bronchogenic carcinoma. (25 marks)
 2. Briefly discuss the perioperative management of a 2-day old baby undergoing emergency laparotomy for intestinal obstruction. (25 marks)
 3. Write short notes on :
 - (a) Out patient anaesthesia.
 - (b) Electrical hazards in the operating room.
 - (c) Intracranial pressure (I.C.P.).
 - (d) Transcutaneous electrical nerve stimulation (T.E.N.S.).
 - (e) Total intravenous anaesthesia.(5 × 10 = 50 marks)
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M.D. DEGREE EXAMINATION SEPTEMBER, 1992

Branch X - Anaesthesiology

PART II

Paper II - ANAESTHESIOLOGY

Time: Three hours

Maximum: 100 marks

Answer ALL questions

1. Discuss the anaesthetic management of a one month old infant undergoing open heart surgery. (25 marks)
2. Discuss the assessment and anaesthetic management of a hypertensive patient for major abdominal surgery. (25 marks)
3. Write short notes on:
 - (a) Pulse oximetry
 - (b) Acute thyroid crisis
 - (c) Deep hypothermic and circulatory arrest
 - (d) Post-spinal headache
 - (e) Rapid sequence induction

(5x10=50 marks)

[PR 383]

M.D. DEGREE EXAMINATION

Branch X — Anaesthesiology

(Old/New Regulations)

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Describe the etiology, pathophysiology and anaesthetic management of pregnancy induced hypertension. (25)
 2. A six year old child is brought to hospital with history of foreign body aspiration. The child is anxious, dyspnoeic, sweating and having moderate cyanosis. Outline your plan of anaesthesia for foreign body removal. (25)
 3. Write short notes on :
 - (a) Myocardial protection during cardiopulmonary bypass.
 - (b) Transdermal therapeutic system for pain relief.
 - (c) Methods of identifying epidural space.
 - (d) Internal jugular vein cannulation.
 - (e) Diagnosis of brain death. (5×10=50)
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[V M 1 0 8 7] April-1994

M.D. DEGREE EXAMINATION.

Branch X — Anaesthesiology

(Old / New Regulations)

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Give an account of HBV and HIV infections. How can theatre personnel be protected if a suspected case with either of this condition is to be operated ? (25)
 2. Describe the anaesthetic management of a case with documented history of malignant hyperthermia. (25)
 3. Write short notes on :
 - (a) Pressure support ventilation.
 - (b) Transcutaneous electrical nerve stimulation.
 - (c) Current concepts regarding circulation during cardio pulmonary resuscitation.
 - (d) 'Wake-up test'.
 - (e) Steps involved in setting up of invasive blood pressure monitoring. (5 × 10 = 50)
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April-1995

[SB 189]

M.D. DEGREE EXAMINATION.

Branch X — Anaesthesiology

(Old/New Regulations)

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. List the indications and outline the pharmacological techniques available for induced hypotension. What are the complications of the techniques? (25)
2. Describe the clinical presentation, investigations, management and complications of a case of near-drowning in fresh water. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Use of muscle relaxants in locations other than operation theatres.
 - (b) Methods for identification of epidural space.
 - (c) Etiology and treatment of post-spinal head ache.
 - (d) Awareness during anaesthesia.
 - (e) Your technique of anaesthesia for bronchography in six year old child.

April-1996

[AK 160]

M.D. DEGREE EXAMINATION.

Branch X — Anaesthesiology

(Old/New/Revised Regulations)

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the various techniques of monitoring neuromuscular blockade and its applications. (25)
2. Describe the various physiological changes and complications associated with different postures during surgery. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Regional Anaesthetic technique for Awake intubation.
 - (b) Coeliac Plexus Block.
 - (c) Electro convulsive therapy.
 - (d) Awareness during Anaesthesia.
 - (e) Current concepts in usage of NaHCO_3 .

October-1996

· PK 146

M.D. DEGREE EXAMINATION
Branch X - Anaesthesiology
(Revised Regulations)
Part II
Paper II - ANAESTHESIOLOGY

Time: Three hours Max.marks:100

Answer All Questions

1. A 3 day old new born is posted for repair of diaphragmatic hernia - Discuss the anaesthetic management of the case. (25)
2. A 25 year old man had met with a road traffic accident and sustained facio maxillary injury - posted for emergency reconstructive surgery - Discuss in detail the problems involved and the anaesthetic management. (25)
3. Write briefly on:
 - (a) Recent trends in cardio pulmonary resuscitation
 - (b) Pulmonary aspiration
 - (c) Regional anaesthesia for post operative pain relief in paediatric surgery
 - (d) Intra operative bronchospasm
 - (e) Indications and procedure for cardioversion.

(5x10=50)

MP' 151

M.D. DEGREE EXAMINATION
Branch X - Anaesthesiology
(Revised Regulations)
Part II
Paper II - ANAESTHESIOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe the anaesthetic problems and management of a one-month old baby with congenital hypertrophic pyloric stenosis.
(25)
2. Describe the complications of cardio-pulmonary bypass.
(25)
3. Write briefly:
How would you manage a case of:
 - (a) Accidental intravenous injection of thiopentone
 - (b) Total spinal anaesthesia
 - (c) TURP (Transurethral resection of Prostat syndrome)
 - (d) Convulsions following sub-cutaneous infiltration of lignocaine
 - (e) Hypotension following initiation of blood transfusion under general anaesthesia.
(5x10=50)

MS. 151

M.D. DEGREE EXAMINATION
Branch X - Anaesthesiology
(Revised Regulations)
Part II
Paper II - ANAESTHESIOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the preoperative evaluation, preparation, anaesthetic and post-operative management of a 60 year old man posted for pituitary tumour excision. (25)
2. Discuss the preoperative evaluation, preparation and anaesthetic management of a 20 year old female with mitral stenosis for elective caesarean section. (25)
3. Write briefly on:
 - (a) Trans-Oesophageal Echocardiography
 - (b) Blood component therapy
 - (c) Management of organophosphorus poisoning
 - (d) Stellate Ganglion Block
 - (e) Pipecuronium.

(5x10=50)

April-1998

[SV 158]

M.D. DEGREE EXAMINATION.

Branch X — Anaesthesiology

(New/Revised Regulations)

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe pre-operative preparation and management of phaeochromocytoma. (25)
 2. A two-day old baby is brought for repair of tracheo-oesophageal fistula. Describe the problems, pre-operative preparation, anaesthetic and post-operative management. (25)
 3. What complications are associated with the use of :
 - (a) Nitrous oxide in general anaesthesia.
 - (b) Brachial plexus blockade.
 - (c) Halothane in a hypoxic, hypercarbic patient.
 - (d) IPPV (Intermittent Positive Pressure Ventilation) in a patient with Chronic Obstructive Pulmonary Disease (COPD).
 - (e) Sodium bicarbonate in the treatment of acidosis. (5 × 10 = 50)
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October-1998

[SM 158]

M.D. DEGREE EXAMINATION,

Branch X — Anaesthesiology

(New/Revised Regulations)

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. A child aged two years is posted for repair of patent ductus arteriosus. Discuss the preoperative assessment, your anaesthetic technique and the post operative complications. (25)
 2. Discuss the preoperative evaluation, preparation and anaesthetic management of a 60 year old man posted for hemi mandibulectomy with block dissection neck for Carcinoma Check. How will you advise pain relief in the post operative period. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Awareness in Anaesthesia.
 - (b) Massive Blood Transfusion.
 - (c) Intrapleural Regional Analgesia.
 - (d) Capnography.
 - (e) Midazolam.
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[SG 158]

Sub. Code : 2041

M.D. DEGREE EXAMINATION.

Branch X — Anaesthesiology
(New/Revised Regulations)

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Briefly describe the physiological changes in the cardiovascular, gastrointestinal and nervous systems during pregnancy that are of concern to the anaesthesiologist. Outline your anaesthetic plan for an emergency caesarean section in a primigravida with foetal distress. (10 + 15 = 25)
2. Describe the preoperative preparation and intraoperative management of a 45 year old man with bronchiectasis of the right lower lobe scheduled for a right lower lobectomy in the lateral position. (35)
3. Write briefly on : (5 × 10 = 50)
 - (a) Preventive measures for and treatment of the oculocardiac reflex.
 - (b) Detection and management of a major blood transfusion reaction.
 - (c) Possible causes of jaundice in the week following surgery.
 - (d) Intravenous regional analgesia.
 - (e) Causes and prevention of inadvertent hypothermia during anaesthesia in an infant

October-1999

[KA 158]

Sub. Code : 2041

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch X — Anaesthesiology

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the pathophysiological changes in a 50 year old male suffering from hyperparathyroidism. Discuss the perioperative management. (25)
 2. Discuss the preoperative and anaesthetic management of a 8 year old male with raised intracranial pressure posted for removal of multiple cysticercus cysts from the right temporal lobe of the brain. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Remifentanyl
 - (b) Combined epidural and spinal block
 - (c) Intra operative management of cyanotic spell in a 3 year old female child
 - (d) Laryngeal mask airway
 - (e) Nitric oxide.
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April-2000

[KB 158]

Sub. Code : 2055

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch X — Anaesthesiology

Part II

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. A sixty year old man is to undergo "Trans Urethral Resection of Prostate" (TURP).

(a) Describe the Anaesthetic Management

(b) Likely complications and treatment. (25)

2. An young lady of 25 years of age with HBS.

Ag + ve is posted for "Emergency L.S.C.S. Discuss the Anaesthetic Management and safety precaution employed. (25)

3. Write short notes on :

(a) Diabetic ketoacidosis

(b) Myocardial preservation

(c) Capnography

(d) Methods of reducing "Intracranial tension"

(e) Oxygen therapy. (5 × 10 = 50)

[KC 158]

Sub. Code : 2055

M.D. DEGREE EXAMINATION.

Branch X — Anaesthesiology

Part II

(New/Revised Regulations)

Paper II — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

1. A 2-year-old child presented to casualty with restlessness, cyanosis, tachypnoea and a history suggestive of foreign body aspiration. Discuss the preoperative assessment and anaesthetic management for removal of foreign body. (25)
 2. Discuss the preoperative assessment, preparation and management of a 50 year old woman with history of myocardial infarction 5 years back, coming for elective abdominal hysterectomy. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Post tonsillectomy bleeding.
 - (b) Anaesthesia in penetrating injury of the eye.
 - (c) TURP syndrome.
 - (d) Monitoring coagulation during cardio-pulmonary bypass.
 - (e) Ankle block.
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