

H

2547

**DIPLOMA IN ANESTHESIA
(DA) EXAMINATION, 2009**

Paper - I

(Anatomy & Physiology of Anesthesia)

Time : Three Hours] [Maximum Marks : 100

1. Describe anatomy of larynx with diagram.
2. What should be safety devices in operation theatre to prevent electrical and fire hazards.
3. Pharmacological principles, pharmacokinetics and pharmacodynamics of different muscle relaxants.
4. Describe interactions and complications of Aspirin, Ace-inhibitors and Mao-inhibitors during laparotomy.
5. Short notes :
 - (a) Diagram of brachial plexus.
 - (b) Digitalis.
 - (c) Anatomy of broncho pulmonary segments.

H

2548

**DIPLOMA IN ANESTHESIA
(DA) EXAMINATION, 2009**

Paper - II

(Clinical Anesthesia)

Time : Three Hours]

[Maximum Marks : 100

1. Describe preoperative assesment in a case of liver disease going to be operated for cholecystetomy.
2. Compare physical, chemical and clinical properties of following inhilational agents – Halothane, isoflurane, sevoflurane and desflurane.
3. Describe physiology of neuromuscular blockers with relevant diagrams.
4. Describe technique of epidural anesthesia and its comparison with spinal anesthesia.
5. Short notes :
 - (a) LMA.
 - (b) Pulse oximetry.
 - (c) Ketanine.
 - (d) Nerve supply of larynx.

H

2549

**DIPLOMA IN ANESTHESIA
(DA) EXAMINATION, 2009**

Paper - III

(Recent Development in Anesthesia)

Time : Three Hours] [Maximum Marks : 100

1. Describe various blood components.
2. Describe the management of backache patient in OPD.
3. Describe delay in recovery of the patient from general anesthesia and its management.
4. Management of a patient of Eclampsia in ICU.
5. Short notes :
 - (a) Diabetic ketoacidosis.
 - (b) Ropivaicine.
 - (c) ARDS.

H _____

2547-A

**Diploma in Anesthesia (DA)
Examination, 2010**

Paper - I

(Anatomy and Physiology of Anesthesia)

Time : Three Hours]

Maximum Marks :100

1. Describe anatomy of inter scalene block indication and complication.
2. Only diagrammatic presentation:
 - (i) Three in one block.
 - (ii) Sciatic nerve block.
 - (iii) Stellate ganglion block.
 - (iv) Penile block.

[P. T. O.

H-2547-A

2

3. Describe physiologic changes associated with pregnancy.
4. Diagrammatic presentation of pain pathway with explanation of cause for chronic pain.
5. Short notes:
 - (i) Neuropathic pain.
 - (ii) Pre-emptive analgesia.
 - (iii) Newer changes in Cardio-pulmonary resuscitation.
 - (iv) Clonidine.

2548-A

Diploma in Anesthesia (DA)

Examination, 2010

Paper - II

(Clinical Anesthesia)

Time : Three Hours]

Maximum Marks :100

1. What specific consideration with brief points:

- (i) Difficult intubation.
- (ii) Acute renal failure.
- (iii) Myocardial Infarction (with in 6 months).
- (iv) Associated C. H. F.
- (v) A. S. A. grading.

2. Describe evaluation of ruptured ectopic pregnancy case and management.

H-2548-A

2

3. Management of following in brief:

- (i) Eclampsia and Induction.
- (ii) Hypertension during laparoscopy.
- (iii) Post operative pain in knee replacement.
- (iv) Post tonsillar bleeding.
- (v) Arthroscopy in haemophilic.

4. Short notes:

- (i) C. P. R. in pregnant women.
- (ii) Consideration in post operative care of patient with B. M. I > 30.

5. In brief:

- (i) Causes of post anaesthesia hypoxia and management.
- (ii) L. M. A. and uses in anaesthesia.

H

2549-A

Diploma in Anesthesia (DA)
Examination, 2010

Paper - III

(Recent Development in Anesthesia)

Time : Three Hours]

Maximum Marks :100

1. Describe septic shock and its management in I. C. U.
2. Describe criteria for day case anaesthesia and in brief techniques.
3. Management of eclampsia in I. C. U. for convulsion.
4. Indication of:
 - (i) Monitored anaesthesia case.
 - (ii) Indwelling peripheral nerve catheter.

[P. T. O.

H-2549

2

- (iii) Point in favour of brain death.
- (iv) Sedation in I. C.U.

5. Short notes on:

- (i) Propofol
- (ii) Dexmedetomidine
- (iii) Clonidine
- (iv) Amiodarone (cardarone)
- (v) Vasopressin



H

H-4533

2

5. Describe management of cardiovascular collapse during induction.
6. Describe briefly peri-operative management of cerebral vasospasm following aneurismal leak.
7. Describe pre operative evaluation and preparation for a patient with neck contracture.
8. Outline the individual physical examination indices for airway assessment.
9. Describe low dose spinal anaesthesia.
10. Discuss PAC for a pregnant lady to undergo abdominal hysterectomy.

Shankle
10-8-2011

100

4533

Diploma in Anesthesia Examination, 2011

ANAESTHESIOLOGY

Paper - I

(Anatomy and Physiology of Anesthesia)

Time : Three Hours] [Maximum Marks : 100

Note :- Attempt all questions.

1. Discuss in brief "Anaesthetic considerations for globe (Eye) perforation".
2. Describe outline of - Difficult Airway Algorithm.
3. What are the different types of oxygen delivery devices.
4. Discuss indices for a patient with severe mitral stenosis to undergo major cardiac surgery.

[P. T. O.

Shankle
10-8-2011

4534

**Diploma in Anaesthesiology
Examination, 2011**

ANAESTHESIOLOGY

Paper II

(Clinical Anaesthesia)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. Discuss in the supraclavicular approach of blocking brachial plexus.
2. Discuss Oxygen dissociation curve and enumerate factors affecting it.
3. Enumerate oxygen delivery devices.
4. Explain the principles of Pulse Oximetry, enumerate its pitfalls and solutions.

[P. T. O.

H-4534

2

5. Describe indications, contraindications, doses, effects of propofol.
6. Define volume of distribution with its clinical significance.
7. Tabulate anatomical differences between adult and infant airway.
8. Discuss methods of blood conservation in patient undergoing bilateral total knee replacement surgery.
9. Describe management of cardiovascular collapse during induction.
10. Discuss Spinal Epidural Analgesia.

100

H

4535

**Diploma in Anaesthesiology
Examination, 2011**

ANAESTHESIOLOGY

Paper III

**(Recent Development in Anesthesia
Intensive Care and Critical Care)**

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. Define and outline technique of percutaneous dilatational tracheotomy.
2. Enumerate methods of mechanical ventilation.
3. Describe briefly therapy of sepsis.
4. Describe resuscitation and anaesthetic management of patient brought to emergency room in gasping state following a road traffic accident.

[P. T. O.

H-4535

2

5. Enumerate factors causing an increase in Intra-Cranial Pressure (ICP) and non pharmacological measures to reduce ICP in post traumatic head injury.
6. Define Cardioversion and Defibrillation. List indications for both.
7. Describe early resuscitation of second degree burns on face, front upper trunk, upper limbs and upper airway after accidental LPG cylinder burst.
8. Describe briefly preanaesthetic evaluation, preparation, anaesthetic management of a middle aged male scheduled for major abdominal surgery.
9. What is low flow anaesthesia - discuss advantages, problems and limitations.
10. Write a short note on "World Anaesthesia Day".

H**5648****P. G. Diploma Examination, 2013****ANAESTHESIA****Paper - I****(Anatomy and Physiology of Anaesthesia)**

Time : Three Hours] [Maximum Marks : 100

Note :- Attempt all the five questions. Every question has equal marks.

1. Draw a labelled diagram of neuromuscular junction (motor end plate). Discuss the factors that affect neuromuscular transmission and neuromuscular block. 20
2. What are the functions of liver? Write an account of hepatic drug metabolism. 20
3. How renal functions are evaluated? What is the association of intravenous anaesthetic agents with end stage renal disease?

[P. T. O.

4. Importance of the following in anaesthesia : 5 each.
 - (a) Saturated vapour pressure
 - (b) The venturi effect
 - (c) The fick principle
 - (d) Thermocouples
5. Write short notes on the following : 5 each
 - (a) Obstetric pain pathways.
 - (b) Prevention and management of gastroesophageal reflux.
 - (c) Peripheral and autonomic reflex response in elderly subjects.
 - (d) Muscles and nerve supply of Larynx.

H

5649

P. G. Diploma Examination, 2013

ANAESTHESIA

Paper - II

(Clinical Anaesthesia)

Time : Three Hours] [Maximum Marks : 100

Note :- Attempt all questions.

1. Describe the management of full term pregnancy with mitral stenosis undergoing caesarean section. 30
2. Describe the management of thyroid patient with swelling in neck for laparotomy. 30
3. Write short notes on the following : 10 each
 - (a) Nitroglycerine
 - (b) Laryngeal mask anaesthesia
 - (c) Biers-Block
 - (d) Rock ronium

H

5650

P. G. Diploma Examination, 2013

ANAESTHESIA

Paper - III

**(Recent Development in Anaesthesia,
Intensive Care and Critical Care)**

Time : Three Hours]

[Maximum Marks : 100

Note :- Attempt all questions. Every question has equal marks.

1. Discuss anaesthetic management of knee replacement surgery with an account of impending perioperative complications if any.
2. What are the latest recommendations of paediatrics resuscitation?
3. Describe briefly the methods used for the following:
 - (a) Detecting inadequate reversal of neuromuscular blockade.
 - (b) Analysis of volatile agents.

[P. T. O.

5650

2

4. Write short notes on the following :
 - (a) Newer ionotropic drugs
 - (b) Ropivacaine
 - (c) Desflurane
5. Discuss in short the following :
 - (a) Perioperative use of beta blockers.
 - (b) Topical Vs. Transdermal drug delivery