

APRIL 2001

[KD 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the preoperative assessment of a 1 year old child presenting with history of foreign body aspiration posted for Bronchoscopy. How will you anaesthetise this child based on pre-operative status?

(25)

2. A 20 year old primi at term is diagnosed as rupture uterus, in shock and is posted for emergency laparotomy. Outline your anaesthetic management. (25)

3. Write short notes on : (5 × 10 = 50)

(a) Delirium during emergence from anaesthesia – evaluation and management

(b) Sellick's Manoeuvre

(c) Retrograde Intubation

(d) Supraclavicular Brachial plexus block

(e) Failed Intubation Drill.

NOVEMBER 2001

[KE 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the Anaesthetic management of Laproscopic Cholecystectomy. (25)
 2. Discuss the Anaesthetic management of a case of suspected 'rupture' of pregnant uterus posted for Emergency Surgery. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) O.P. Poisoning
 - (b) Glucose Tolerance Test
 - (c) Caudal Epidural
 - (d) Fentanyl
 - (e) Haemophilia.
-

MARCH 2002

[KG 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the Anaesthetic Management of suspected splenic rupture posted for splenectomy after a blunt injury abdomen. (25)
 2. Discuss the Anaesthetic management of a case of Ectopic Pregnancy posted for emergency Laparotomy. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Adhesive Arachnoiditis.
 - (b) Glasgow coma scale.
 - (c) Human insulins.
 - (d) Ropivacaine.
 - (e) D.I.C.
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SEPTEMBER 2002

[KH 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the pre anaesthetic evaluation, plan and control of untreated diabetic coming for emergency surgery. (25)
 2. Give an account of the problems in a baby having tracheoesophageal fistula. What is your plan of anaesthetic management? (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Von Willebrand's disease
 - (b) TURP syndrome
 - (c) Thyroid storm
 - (d) Anaesthesia for post tonsillectomy bleeding
 - (e) Hazards of long term cortisone therapy.
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APRIL 2003

[KI 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the anaesthetic considerations in a patient with aortoiliac occlusive disease coming for graft surgery. (25)
 2. Discuss the anaesthetic management of a four day old neonate coming for repair of congenital diaphragmatic hernia. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Intrapleural analgesia
 - (b) Evoked Potentials
 - (c) Fast Tracking
 - (d) Cerebral Protection
 - (e) Neurolept malignant syndrome.
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OCTOBER 2003

[K.J 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — ANAESTHESIOLOGY

Time : Three hours **Maximum : 100 marks**

Theory : Two hours and forty minutes	Theory : 80 marks
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M.C.Q. : Twenty minutes **M.C.Q. : 20 marks**

M.C.Q. must be answered SEPARATELY on the Answer Sheet provided as per the instructions given on the first page of the M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay: (2 × 15 = 30)

(1) Discuss the preoperative preparation for a patient with pheochromocytoma and anaesthetic management for its resection.

(2) Describe the physiology of one-lung-ventilation and write briefly on the development of tubes for one-lung ventilation, mentioning available equipment.

II. Short Notes : (10 × 5 = 50)

- (1) Stellate ganglion block.
- (2) Malignant hyperpyrexia.
- (3) Hyponatremia.
- (4) Acid aspiration prophylaxis.
- (5) Combined-spinal Epidural blocks.
- (6) Acute Normovolemic hemodilution.
- (7) HIV and the anaesthesiologist.
- (8) Fluid resuscitation of a patient with 40% burns.
- (9) Anaesthesia for a patient with permanent pacemaker.
- (10) Anaesthesiologist's role in Myasthenia gravis.

AUGUST 2004

[KL 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Discuss the anaesthetic management of Renal Transplantation.

(2) Discuss the anaesthetic management of a patient with thyrotoxic goitre.

II. Short notes : (10 × 5 = 50)

(a) Endorphins

(b) TURP (Trans Urethral Resection of Prostate)

(c) Propofol

(d) Newer Insulins

(e) Fibre optic laryngoscopy

(f) Precautions for a patient with Hepatitis B

(g) Pain relief for labour

(h) Glycated haemoglobin

(i) Anaesthesia for rigid bronchoscopy in a child

(j) Hydroxy ethyl starch.

FEBRUARY 2005

[KM 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(2 × 15 = 30)

(1) Discuss the etiology and management of intra operative and post operative hypotension.

(2) Discuss the perioperative anaesthetic management of KASAI procedure for extrahepatic biliary atresia.

II. Short Notes :

(10 × 5 = 50)

(a) Intra operative Anaesthetic Record.

(b) Stages of Anaesthesia

(c) Malpositioned Double lumen tube

(d) Intra operative and post operative Pulmonary oedema.

(e) Wake up testing.

(f) Preparation for separation from Cardiopulmonary Bypass.

(g) Cross clamping of Descending Thoracic Aorta.

(h) Post operative Stridor.

(i) Post anaesthetic ALDRETE RECOVERY SCORE.

(j) Delayed complications of Neuraxial block.

MARCH 2006

[KO 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

ANAESTHESIOLOGY

Time : Three hours

Maximum : 100 marks

Theory : Two hours and

Theory : 80 marks

forty minutes

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(2 × 15 = 30)

(1) Discuss the pathophysiology of diabetic ketoacidosis (DKA). What is your anaesthetic management of a 60 yr old patient with DKA coming for emergency laparotomy?

(2) Describe the anaesthetic management and complications associated with closed mitral valvotomy.

II. Short notes :

(10 × 5 = 50)

(a) Stellate ganglion block

(b) High frequency jet ventilation

(c) Digitalis

(d) TURP syndrome

(e) Blood substitutes

(f) Carbon dioxide absorber system

(g) Transoesophageal Echocardiography

(h) Laryngeal mask airway

(i) Scoline apnoea

(j) Ralph waters.

MARCH 2007

[KQ 1523]

Sub. Code : 3031

**DIPLOMA IN ANAESTHESIOLOGY (D.A.)
EXAMINATION.**

Paper II — ANAESTHESIOLOGY

Common to

(Candidates admitted from 1993–1994 onwards)

and

(Candidates admitted from 2004–2005 onwards)

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Long Essay :

1. A new born infant with a large encephalocele is posted for corrective surgery. Discuss perioperative anaesthetic management. (20)

2. Discuss anaesthetic management of a young lady with 32 weeks amenorrhoea, vaginal bleeding, abdominal pain and foetal distress posted for caesarean section. (15)

3. Discuss "The Three Legged Stool" of prethoracotomy respiratory assessment. (15)

II. Write Short notes on : (6 × 5 = 30)

(a) Perioperative glucocorticoid Replacement Therapy.

(b) Sodium Nitroprusside Toxicity.

(c) Breast Block.

(d) Post operative care of transternal thymectomy patient.

(e) Protamine Reaction.

(f) Post operative Nausea and Vomiting.

MARCH 2008

[KS 1523]

Sub. Code : 3031

DIPLOMA IN ANAESTHESIOLOGY (D.A.) EXAMINATION.

Paper II — ANAESTHESIOLOGY

(Common to all regulations)

Q.P. Code : 343031

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

- I. Write Essay questions on : (2 × 20 = 40)
- (1) Discuss the pathophysiology of congestive cardiac failure.
Discuss the plan of management for non-cardiac surgery.
(20)
- (2) Describe in detail the principles of management of six month old child coming for cleft-lip repair. (20)
- II. Write short notes on : (10 × 6 = 60)
- (1) Hypoxic pulmonary vasoconstriction
- (2) TURP syndrome
- (3) Occulo-cardiac reflex
- (4) Brochospasm during anaesthesia
- (5) Treatment of post-spinal headache
- (6) Temporomandibular ankylosis
- (7) Fluid challenge
- (8) Tourniquet effects
- (9) Attenuation of pressor response during intubation
- (10) Thyroid crisis.
-

September 2008

[KT 1523]

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

Paper II –ANAESTHESIOLOGY

(Common to all candidates)

Q.P. Code : 343031

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Discuss pathophysiology and anaesthetic management of eclampsia patient coming for caesarian section.
2. Discuss in detail the anaesthetic problems encountered during posterior cranial fossa surgery.

II. Write short notes on :

(10 X 6 = 60)

1. Laryngeal mask airway.
 2. Flowmeters.
 3. Magnesium.
 4. Cauda equina syndrome.
 5. Fat embolism.
 6. Diabetic keto acidosis.
 7. SIMV.
 8. Transesophageal echocardiography.
 9. Aminocaproic acid.
 10. Anaesthesia for cataract surgery.
-

MARCH -2009

[KU 1523]

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

Paper II –ANAESTHESIOLOGY

(Common to all candidates)

Q.P. Code : 343031

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. Describe various types of tracheo esophageal fistula. Discuss anaesthetic management of commonest type.
2. How do you investigate a jaundiced patient? Discuss anaesthetic management of a patient with portal hypertension for shunt procedure.

II. Write short notes on : (10 X 6 = 60)

1. Mitral stenosis patient coming for dental extraction. Role of anaesthesiologists.
2. Fresh frozen plasma.
3. ARDS.
4. Central venous cannulation.
5. Coeliac plexus block.
6. HELLP syndrome.
7. Fentanyl.
8. Jet ventilation.
9. Orthopnea.
10. Anion gap.

September - 2009

[KV 1523]

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION.

Paper II –ANAESTHESIOLOGY

(Common to all candidates)

Q.P. Code : 343031

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. Discuss the anaesthetic considerations in managing a renal transplant recipient.
2. 40 yrs old lady with severe contracture of neck caused by burns is posted for release of contracture. Discuss the different methods that can be adopted for securing the airway.

II. Write short notes on : (10 X 6 = 60)

1. Pre operative preparation of a patient with pheochromocytoma for surgery.
2. Bier's block.
3. Problems with prone positioning.
4. Post operative hypoxia.
5. Local anaesthetic toxicity.
6. Anaesthesia for obesity.
7. Patient controlled analgesia.
8. Aminocaproic acid.
9. Thyroid crisis.
10. Post extubation stridor in children.

March 2010

[KW 1523]

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY EXAMINATION

ANAESTHESIOLOGY

(Common to all candidates)

Q.P. Code : 343031

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions :

(2 x 20 = 40)

1. Discuss the pre-operative preparation, anaesthetic management and problems encountered in a 14 year old male for scoliosis correction surgery.
2. Discuss post operative pain relief in children.

II. Write short notes on :

(10 x 6 = 60)

1. Awareness.
2. Failed intubation drill.
3. Coronary circulation.
4. Causes of post operative hypoxia.
5. Intra operative bronchospasm.
6. Glasgow coma scale.
7. One lung ventilation.
8. Oculo-cardiac reflex.
9. Modalities to reduce intra cranial pressure.
10. Indications and contra indications for regional anaesthesia.

September 2010

[KX 1523]

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY (D.A.) EXAMINATION.

**Part II-Paper I for Candidates admitted upto 2003-04 & Candidates admitted
from 2008-09 onwards**

And

Paper II for Candidates admitted from 2004-05 to 2007-08

ANAESTHESIOLOGY

Q.P. Code : 343031

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Enumerate the differences between adult and paediatric airway. Discuss the anaesthetic management of pyloric stenosis for pyloromyotomy.
2. Discuss the preoperative evaluation and anaesthetic management of a 55 years old lady with IHD posted for elective abdominal hysterectomy.

II. Write short notes on :

(10 X 6 = 60)

1. Anesthesia for obesity.
2. Failed intubation drill.
3. Postoperative shivering.
4. Causes of bradycardia under spinal anesthesia and its management.
5. Airway problems in rheumatoid arthritis.
6. Post extubation stridor in a 2 years old child.
7. Anesthesia for cataract surgery.
8. Laryngeal mask airway.
9. Monitored anesthesia care.
10. Postoperative pain relief in children.

APRIL 2011

[KY 1523]

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code : 343031

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Describe the clinical features, methods of investigations, preanaesthetic preparation and anesthetic management of a case of pleochromacytoma.	11	35	15
2. A One year old child is brought to the casualty with restlessness, cyanosis, tachypnea and a history suggestive of foreign body aspiration. Discuss the preoperative assessment and anaesthetic management for removal of foreign body.	11	35	15

II. Write notes on :

1. Jehovah's Witness.	4	10	7
2. Malignant hyperpyrexia.	4	10	7
3. Goldman's multifactorial cardiac risk index.	4	10	7
4. Non-ketotic hypersmolar coma.	4	10	7
5. APGAR Score.	4	10	7
6. TURP Syndrome.	4	10	7
7. Wake up test.	4	10	7
8. Pain relief in case of # Femur.	4	10	7
9. Myasthenic crisis.	4	10	7
10. Airway problems in Acromegaly.	4	10	7

October 2011

[KZ 1523]

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code : 343031

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|--|----|---------|----|
| 1. Discuss pathophysiology and anaesthetic management of eclampsia patient coming for caesarian section. | 11 | 35 min. | 15 |
| 2. A newborn infant with a large encephalocoele is posted for corrective surgery. Discuss peri-operative anaesthetic management. | 11 | 35 min. | 15 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Anaesthesia for laser surgery of larynx. | 4 | 10 min. | 7 |
| 2. Oxygen flux. | 4 | 10 min. | 7 |
| 3. Myocardial protection during open heart surgery. | 4 | 10 min. | 7 |
| 4. Segnstaken – Blakemore tube. | 4 | 10 min. | 7 |
| 5. Total intravenous anaesthesia. | 4 | 10 min. | 7 |
| 6. Sodium nitroprusside. | 4 | 10 min. | 7 |
| 7. Isoflurane. | 4 | 10 min. | 7 |
| 8. Post operative Nausea and vomiting. | 4 | 10 min. | 7 |
| 9. Hepatorenal syndrome. | 4 | 10 min. | 7 |
| 10. Nitric oxide in anaesthesia. | 4 | 10 min. | 7 |

[LA 1523]

April 2012

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXA MINATION

ANAESTHESIOLOGY

Q.P. Code : 343031

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|---|----|----|----|
| 1. Discuss the anaesthetic management of a pregnant mother with 38 weeks Amenorrhea, with BP of 160/110 and severe labour pain for emergency Caesarean section. | 16 | 35 | 15 |
| 2. Discuss the various types of tracheo – esophageal fistula. Discuss the anaesthetic management of newborn with tracheo – oesophageal fistula. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Role of Intra pleural analgesia. | 4 | 10 | 7 |
| 2. Glycosylated haemoglobin and its interpretation. | 4 | 10 | 7 |
| 3. Malignant hyperpyrexia and its management. | 4 | 10 | 7 |
| 4. Indications for Double lumen tube. | 4 | 10 | 7 |
| 5. Management of intraoperative pulmonary edema. | 4 | 10 | 7 |
| 6. Complications of pulmonary artery catheterization. | 4 | 10 | 7 |
| 7. Postdural puncture headache (PDPH). | 4 | 10 | 7 |
| 8. Thyroid crisis and its management. | 4 | 10 | 7 |
| 9. Jehovah's witness and their significance in anaesthesia. | 4 | 10 | 7 |
| 10. Role of Protamine in Cardiac surgery. | 4 | 10 | 7 |

[LB 1523]

OCTOBER 2012

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code : 343031

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|---|----|----|----|
| 1. Describe the anaesthetic management of a pregnant mother with 14 weeks amenorrhea with acute appendicitis. | 16 | 35 | 15 |
| 2. Discuss the anaesthetic management of closed mitral valvotomy. Enumerate the complications associated with it. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Peri – operative preparation of patient with phaeochromocytoma. | 4 | 10 | 7 |
| 2. Anaesthesia in bariatric surgery. | 4 | 10 | 7 |
| 3. Physiology of one – lung ventilation. | 4 | 10 | 7 |
| 4. Failed intubation drill in Obstetrics. | 4 | 10 | 7 |
| 5. Advantages of Proseal LMA. | 4 | 10 | 7 |
| 6. Management of TURP syndrome. | 4 | 10 | 7 |
| 7. Oculocardiac reflex and its significance. | 4 | 10 | 7 |
| 8. Post – tonsillectomy bleeding – Anaesthetic management. | 4 | 10 | 7 |
| 9. Uses of Hydroxyethyl starch. | 4 | 10 | 7 |
| 10. Pros and Cons of Caudal epidural. | 4 | 10 | 7 |

(LC 1523)

APRIL 2013

Sub. Code: 3031

**DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION
ANAESTHESIOLOGY**

Q.P. Code : 343031

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the Aetiology and Management of various Cardiac Arrhythmias occurring during anaesthesia.
2. A 35 weeks pregnant patient with BP:200/100 mm Hg, oedema and albuminuria is to be prepared for elective caesarean section. Discuss preparation and preferred anaesthesia technique (regional or general).

II. Write notes on:

(10X7=70)

1. Role of anaesthetist in multiple trauma
2. Indications and contraindications for regional anaesthesia
3. Neonatal resuscitation
4. Regulation of cerebral blood flow
5. Modern trends in obstetrical analgesia
6. Invasive intra-operative monitoring
7. Thyroid crisis
8. Post tonsillectomy bleeding
9. Pacemakers
- 10.ETO sterilization

(LD 1523)

OCTOBER 2013

Sub. Code: 3031

**DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION
ANAESTHESIOLOGY**

Q.P. Code : 343031

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the anaesthetic management of a 20 year old female for posterior cranial fossa surgery.
2. Discuss the anaesthetic management of a case of intestinal obstruction for emergency laparotomy in a 40 year old male, who is a heavy smoker for 20 years.

II. Write notes on:

(10X7=70)

1. Transesophageal echocardiography.
2. Sevoflurane.
3. Uses of carbondioxide in anaesthesia and critical care.
4. Post-extubation stridor.
5. Epidural test dose.
6. Pre-loading for central neuraxial blocks.
7. Oculo-cardiac reflex.
8. Thyroid crisis.
9. Local anaesthetic toxicity.
10. Failed Intubation drill.

(LE 1523)

APRIL 2014

Sub. Code:3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P.Code: 343031

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. A patient in DKA (Diabetic Keto acidosis) is posted for emergency below knee amputation. Discuss the peri operative management.
2. Describe the clinical manifestations of local anaesthetic toxicity. Briefly discuss its management.

II. Write notes on:

(10X7=70)

1. TURP (Transurethral Resection prostate) Syndrome.
2. Methods of labour analgesia.
3. Predictors of difficult airway.
4. Indications of one lung anaesthesia.
5. Obesity Hypoventilation Syndrome.
6. Myocardial O₂ balance.
7. Mainstream Versus Sidestream Capnography.
8. Anion gap.
9. Surfactant.
10. Informed Consent.

(LF 1523)

OCTOBER 2014

Sub. Code:3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P.Code: 343031

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the anaesthetic management of a patient with carcinoma right bronchus posted for Pneumectomy.
2. A 80 year old male with Coronary Artery Disease is posted for Total Hip Replacement. Discuss the preoperative evaluation, preparation and anaesthetic management of this case.

II. Write notes on:

(10 x 7 = 70)

1. Anaesthetic implications of Fetal surgery.
2. Wake – Up test.
3. Thrombelastograph.
4. Newer Antiplatelet drugs and anaesthetic significance.
5. Anaesthesia for resection of Papilloma vocal cord under Laser microsurgery.
6. Neonatal resuscitation.
7. Acute Renal failure in perioperative period.
8. Physiologic changes with Aortic cross clamping and therapeutic interventions.
9. Autologous Blood Transfusion.
10. Techniques of Airway Anaesthesia.

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code : 343031

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. A female patient aged 32 years with Koch's mid dorsal spine and paraplegia is posted for Anterolateral decompression surgery.
Discuss the preoperative preparation, anaesthetic management and post operative care.
2. Discuss the pathophysiological changes in preeclampsia and eclampsia and the anaesthetic technique for such a parturient for emergency Caesarean section.

II. Write notes on:

(10 x 7 = 70)

1. Intraoperative Bronchospasm.
2. Pre-emptive analgesia.
3. World Health Organisation – three step ladder pattern for pain relief in advanced cancer.
4. Ankle Block for amputation of great toe.
5. Regional anaesthesia in a patient on anticoagulants.
6. Difference between Paediatric and adult airway.
7. Causes and management of postoperative Hypoxemia.
8. DVT Prophylaxis.
9. Chronic cigarette smoking and its anaesthetic implications.
10. Nebulization in Clinical Anesthesia Practice.

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code : 343031

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Classify hypertensive disorders of pregnancy. Describe the preanaesthetic evaluation and preparation of a 21 year old primi-gravida with a BP of 170/100, pedal edema and proteinuria of more than 5 gms/24hrs. Discuss your anaesthetic management of LSCS.
2. Discuss the preoperative evaluation and anaesthetic management of a 3 year old child posted for removal of foreign body in bronchus.

II. Write notes on:

(10 x 7 = 70)

1. Problems of dental chair anaesthesia.
2. Anaesthetic management of post tonsillectomy bleeding.
3. Neuraxial anaesthesia in a patient on anticoagulants.
4. Monitored anaesthesia care.
5. Massive blood transfusion.
6. Renal replacement therapy.
7. Myocardial protection during Cardio Pulmonary bypass.
8. Intracranial pressure monitoring.
9. Anaesthesia for day care surgery.
10. Postdural puncture headache.

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P.Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the anaesthetic management for a 80 year old male patient posted for Total Hip Replacement..
2. Discuss the anaesthetic management of strangulated inguinal hernia in a patient with history of recent myocardial infarction.

II. Write notes on:

(10 x 7 = 70)

1. Hepatorenal syndrome.
2. Hyperkalemia.
3. Postoperative shivering.
4. Smoking and its anaesthetic implications.
5. Resuscitation of a newborn.
6. Pulmonary embolism.
7. Role of Adjuvants in Regional Anaesthesia.
8. Cerebral protection.
9. Hypertonic saline.
10. Ankle block.

(LJ 1523)

OCTOBER 2016

Sub. Code:3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P.Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Define Chronic obstructive pulmonary disease. Discuss the preoperative preparation, anaesthetic management and post operative pain relief in a case of COPD undergoing upper abdominal surgery.
2. Describe the preanaesthetic preparation, intraoperative and postoperative management of a 70 years old man with Benign prostatic hyperplasia posted for TURP.

II. Write notes on:

(10 x 7 = 70)

1. Postoperative jaundice.
2. Anaesthesia for Retained placenta.
3. Preoperative preparation of a Pheochromocytoma.
4. Diagnosis and management of mismatched blood transfusion.
5. Anaesthesia for intraocular surgery.
6. Stress response to surgery.
7. Goldman's cardiac risk index.
8. Non ketotic hyper osmolar coma.
9. Caudal anaesthesia.
10. Albumin.

(LK 1523)

MAY 2017

Sub. Code:3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P.Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Pre anaesthetic evaluation and anaesthetic management of two year old child for cleft palate repair.
2. Describe the pre-operative evaluation and anaesthetic management of 40 year old female posted for laparoscopic cholecystectomy.

II. Write notes on:

(10 x 7 = 70)

1. Fresh frozen plasma.
2. Amniotic fluid embolism.
3. Vocal cord palsy.
4. Trigeminal neuralgia.
5. Revised cardiac Risk Index.
6. HIV and the anaesthetist.
7. Fasting guidelines in paediatrics and adults.
8. Methods of reducing intracranial pressure.
9. Local anaesthetic systemic toxicity.
10. Retained placenta.

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P.Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What is phaeochromocytoma? What are its clinical features? Discuss the preoperative investigations and preparation and anaesthetic management of such a case for surgical removal.
2. A ten year old child with Tetralogy of Fallot is scheduled for surgery for cerebral abscess. Discuss the Peri-operative management.

II. Write notes on:

(10 x 7 = 70)

1. Intra operative Beta blocker therapy.
2. Three in one Nerve block.
3. Clinical test for evaluation of Autonomic Nervous system.
4. Perioperative Hypothermia.
5. Postdural Puncture Headache.
6. HELLP syndrome.
7. Arterial Tourniquet.
8. Pulse Oximetry.
9. Regional Anaesthesia in Paediatric pain relief.
10. Anaesthetic implications of surgery in prone position.

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P.Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Illustrate the pathway of pain in labour.
Enumerate the methods of pain relief in labour.
Describe continuous epidural for labour analgesia.
2. Describe the anaesthetic management of emergency foreign body removal through bronchoscope in a 3 year old child.

II. Write notes on:

(10 x 7 = 70)

1. Cardiopulmonary changes following pneumoperitonium.
2. Laryngospasm.
3. Stellate ganglion block.
4. High flow oxygen delivery systems.
5. Oculocardiac reflex.
6. Airway problem in acromegaly.
7. Autonomic hyperreflexia.
8. Role of anesthetist in myastheniagravis.
9. Bradyarrhythmias.
10. Jehovahs witness.

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the anaesthetic management of 24 yr old patient who had undergone mitral valvotomy 10 yrs ago coming for mitral valve replacement.
2. Describe the anaesthetic management of a 20 year primi with rupture uterus posted for emergency surgery.

II. Write notes on:

(10 x 7 = 70)

1. Thrombo Elasto Graph.
2. Controlled Hypotension.
3. Citrate toxicity.
4. Bed side pulmonary function test.
5. 2, 3 DPG.
6. IVRA.
7. Trans abdominal block.
8. Malignant hyperthermia.
9. Intraoperative management of Bronchospasm.
10. Extra corporeal membrane oxygenator.

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Explain in detail the Pathophysiology, clinical features and anaesthetic management of End Stage Renal Disease (ESRD) patient posted for renal transplant.
2. Describe in detail the anaesthetic consideration in a neonate and management of a 2 days neonate posted for congenital Diaphragmatic Hernia.

II. Write notes on:

(10 x 7 = 70)

1. Intraop hypertension.
2. Techniques of lung separation.
3. Negative pressure pulmonary edema.
4. Difficult airway in obstetrics.
5. Monitoring in neuroanaesthesia.
6. Child-Turcotte Pugh score.
7. Management of Atrial Fibrillation.
8. Nitric oxide.
9. Hyperkalemia.
10. Cervical plexus block.

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the preop. evaluation, preparation and anaesthetic management of a patient with intracoronary stent posted for elective surgery.
2. Discuss in detail the preop. preparation, anaesthetic management and postoperative care of a patient with Diabetic Ketoacidosis posted for emergency obstructed hernia repair.

II. Write notes on: **(10 x 7 = 70)**

1. Revised cardiac risk index.
2. Flow volume loops.
3. Manual removal of placenta.
4. Inhalational induction in infants.
5. Recurarization.
6. Intraoperative Bronchospasm.
7. Fat embolism.
8. Total Intravenous Anaesthesia (TIVA).
9. Infra Clavicular Brachial Plexus block.
10. Transoesophageal Echocardiography (TEE).

(LQ 1523)

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the signs and symptoms of Alcoholic cirrhosis with portal hypertension, Describe in detail about anaesthetic management for emergency laparotomy?
2. A case of preeclampsia with Bp 170/100, proteinuria and 39 wks of gestation. Pre operative evaluation, preparation and anaesthetic management for an elective caesarian section

II. Write notes on:

(10 x 7 = 70)

1. Post operative cognitive dysfunction
2. TURP syndrome and its management
3. Describe in detail about LOW FLOW ANAESTHESIA
4. Ultrasound guided specific blocks for breast surgeries
5. High frequency jet ventilation
6. Laser and anaesthesia
7. Resuscitation of near drowning
8. Management of septic shock
9. Blockbuster LMA
10. Fentanyl and its analogues Use in ICU

[LS 1523]

NOVEMBER 2020
(OCTOBER 2020 SESSION)

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the preoperative evaluation, preparation & anaesthetic management of 110kg female posted for laparoscopic cholecystectomy?
2. 68 year old male, with hypertension, ischaemic heart disease posted for total hip replacement surgery. Discuss in detail about the anaesthetic plan.

II. Write notes on: **(10 x 7 = 70)**

1. Anaesthetic implications of patient with liver cell failure
2. Continuous renal replacement therapy
3. Fast track LMA
4. Treatment of cerebral edema
5. Anaesthetic management of 2 years old child with meningomyelocele
6. Hypercalcaemia & anaesthetic implications
7. Balanced anaesthesia
8. Ultrasound guided abdominal wall blocks
9. Non diabetic ketoacidosis
10. Anaesthesia for electro convulsive therapy

(DA 0721)

JULY 2021

Sub. Code: 3031

(MAY 2021 SESSION)

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the preoperative evaluation, preparation and anaesthetic management of 110kg female posted for laparoscopic cholecystectomy?
2. 68year old male, with hypertension, Ischaemic heart disease posted for Total Hip Replacement surgery, discuss in detail about the anaesthetic plan.

II. Write notes on:

(10 x 7 = 70)

1. Anaesthetic implications of patient with liver cell failure.
2. Continuous renal replacement therapy.
3. Fast trach LMA.
4. Treatment of cerebral edema.
5. Anaesthetic Management of 2 years old child with meningomyelocele.
6. Hypercalcaemia & anaesthetic implications.
7. Balanced anaesthesia.
8. Ultrasound guided abdominal wall blocks.
9. Non Diabetic Ketoacidosis.
10. Anaesthesia for Electro Convulsive Therapy.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[DA 1121]

**NOVEMBER 2021
(OCTOBER 2021 SESSION)**

Sub. Code: 3031

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

ANAESTHESIOLOGY

Q.P. Code: 343031

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss pre op preparation, anaesthetic management, intra op problems encountered in a 14 year old male posted for scoliosis correction?
2. 60 year old lady with ischemic heart disease presents with intra op arrhythmia during laproscopic cholecystectomy. Discuss the aetiology and management of various cardiac arrhythmias occurring during anaesthesia.

II. Write notes on:

(10 x 7 = 70)

1. Post-extubation stridor.
2. Maternal awareness.
3. Acute renal failure in the pre operative period.
4. Anaesthetic implications of fetal surgery.
5. Problems of dental chair anaesthesia.
6. Oculo – cardiac reflex.
7. Pulmonary embolism – diagnosis and management.
8. Post op shivering – causes and treatment.
9. Hypertonic saline – calculate the formula for sodium deficiency and conditions where it is used.
10. Acute normovolaemic Hemodilution.
