

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

**(A DEEMED TO BE UNIVERSITY)**

**Post Graduate Diploma Examination –April / May 2014**

**Time : 3 Hrs.**

**[Max. Marks : 100]**

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

**PAPER I**

**Q.P Code : D3351**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 20 = 40 Marks**

1. Describe the anatomy of tracheobronchial tree and discuss the anesthetic management of a one day old baby posted for tracheo-oesophageal fistula repair.
2. Describe the anatomy of brachial plexus. Describe different techniques of brachial plexus block.

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Rocuronium.
4. Supraventricular arrhythmia.
5. Train of four and post titanic count.
6. Central venous pressure.
7. Difficult airway.
8. Humidification.

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**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Describe circle of willis and factors regulating cerebral blood flow.
2. Systemic VS pulmonary circulation.
3. Describe normal EtCO<sub>2</sub> waveform and causes of hypercapnia in anaesthetized patient.
4. Levobupivacaine.
5. Principles of pulse oximetry.
6. Coaxial circuits.
7. Transdermal drug delivery system.
8. Hypernatraemia.
9. Flagg's can.
10. 16<sup>th</sup> October 1846.

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

**PAPER II**

**Q.P Code : D3352**

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*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 20 = 40 Marks**

1. Describe in detail the anaesthetic management of a fifty year old lady posted for laparoscopic cholecystectomy.
2. Discuss the anaesthetic management of a seventy year old posted for (TURP) “Transurethral Resection of Prostate”.

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Coronary circulation.
4. Informed consent.
5. Mendelson’s syndrome.
6. Anaesthesia for modified (E.C.T) electroconvulsive therapy.
7. Cancer pain and role of oral morphine- W.H.O guidelines.
8. Laryngeal mask airway.

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**PAPER II**

**Q.P Code : RS-D3352**

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**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Discuss various factors affecting cerebral blood flow. How will you do anaesthetic management of a patient of head injury posted for drainage of subdural haematoma?
2. Anaesthetic management of cleft lip surgery in children.
3. Acid aspiration syndrome.
4. Intravenous regional anaesthesia (Bier's Block)
5. Complications of spinal anaesthesia-prevention and management.
6. Hellp syndrome.
7. Labour analgesia.
8. Intraoperative brady-arrhythmias and their management.
9. Causes of intra operative bronchospasm and its management.
10. Anaesthesia for electro convulsive therapy.

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

**PAPER III**

**Q.P Code : RS-D3353**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Discuss the management of anaphylactic shock.
2. Discuss the anesthetic management of thyrotoxic patient posted for subtotal thyroidectomy.
3. Discuss the management of snake bite patient in intensive care unit.
4. Discuss the current guidelines for basic life support and advanced life support.
5. Discuss the use of ultrasound in regional anesthesia.
6. Discuss the anesthetic management of 7 year old boy for dental extraction.
7. Enumerate the various modes of ventilation used in ICU and discuss prone position ventilation.
8. Discuss the various modes of pain relief for post nephrectomy patient.
9. Discuss the anesthetic management of patient posted for incision and drainage of retropharyngeal abscess (10 year old)
10. Discuss the pre-anaesthetic evaluation of 85 year old patient posted for anaesthesia for trans urethral resection of prostate.

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

**PAPER III**

**Q.P Code : D3353**

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**LONG ESSAY**

**2 X 20 = 40 Marks**

1. Discuss the anaesthetic management of patient of empyema thoracis posted for pneumonectomy.
2. Describe the pre operative preparation and anesthetic management for excision of pheochromocytoma

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Simulators in anesthesia
4. Septic shock
5. Myxoedema
6. Massive blood transfusion
7. Fat embolism
8. Selective decontamination of digestive tract.

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