Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 14-Jul-2020

[Time: 3 Hours] **[Max. Marks: 100]**

DIPLOMA IN ANAESTHESIOLOGY (D.A)
PAPER – I (RS-2/RS-3)
Q.P. CODE: 7011

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Describe the anatomy of the Larynx and the Anaesthetic implications of various cord palsies
2. Discuss the role of vasopressors and vasodilators in anaesthesia.
3. Classify vaporizers. Describe Tec 4 vaporizer.
4. Briefly interpret the different wave forms of capnography.
5. Describe liver function tests.
6. August Bier.
7. Opioid Receptors.
8. Fetal circulation.
9. Describe uptake and distribution of inhalational anaesthetic agents. Enumerate the factors affecting inhalational agent uptake.
10. Total Intravenous Anaesthesia (TIVA).

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Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 16-Jul-2020

[Time: 3 Hours] **[Max. Marks: 100]**

DIPLOMA IN ANAESTHESIOLOGY (D.A)
PAPER – II (RS-2/RS-3)
Q.P. CODE: 7012

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All the Questions **10 X 10 = 100 Marks**

1. A 30 year old female with history of bronchial asthma is scheduled for laparoscopic cholecystectomy. Describe pre operative and anaesthetic management.

2. Discuss the pathophysiology and anesthetic management in a 24 year female with pregnancy induced hypertension scheduled for elective LSCS at 36 weeks of gestation.

3. Pediatric caudal epidural anaesthesia.

4. Pulmonary oedema.

5. 2,3,DPG.

6. Problems associated with bone cement.

7. Describe the technique of induction, maintenance and extubation in a patient with raised intra cranial pressure scheduled for evacuation of extradural hematoma.

8. What are the risk factors for regurgitation and pulmonary aspiration during general anesthesia? Methods to decrease the risk of aspiration?

9. Enumerate the complications of transuretheral resection of prostate (TURP). Describe TURP Syndrome.

10. Discuss perioperative stabilization and anaesthetic management of an uncontrolled diabetic patient in ketoacidosis coming for below knee amputation.

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Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 18-Jul-2020

[Time: 3 Hours] **[Max. Marks: 100]**

DIPLOMA IN ANAESTHESIOLOGY (D.A)
PAPER – III (RS-2/RS-3)
Q.P. CODE: 7013

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer all the Questions **10 X 10 = 100 Marks**

1. Discuss the anaesthetic management of 25 year old female patient with thyrotoxicosis planned for emergency appendicectomy.

2. Define adult respiratory distress syndrome. Discuss the ventilatory goals and strategies to reduce ventilator induced lung injury.

3. Procedural sedation in ambulatory anaesthesia.

4. Post operative visual loss.

5. Methods of humidification.

6. Sub mental intubation.

7. Mandibular nerve block.

8. Indications and methods of nutritional support in intensive care unit.

9. Negative pressure pulmonary edema: Describe its pathophysiology and management.

10. Bispectral index monitoring.

Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 19-Nov-2020

[Time: 3 Hours] **[Max. Marks: 100]**

DIPLOMA IN ANAESTHESIOLOGY (D.A)
PAPER – I (RS-2/RS-3)
Q.P. CODE: 7011

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. With the help of a diagram, define the static lung volumes and capacities in a normal 70kg adult male.
2. With the help of a diagram, describe the electrical and mechanical events of cardiac cycle.
3. DIC.
4. Rocurronium.
5. Classify Mapelson's circuit. Describe functional analysis of Mapleson's circuit. How is it difficult from Bain's circuit?
6. Describe innervations of larynx. Diagrammatic representation of various types of Vocal cord palcies seed following complete damage to one or both recurrent laryngeal nerve.
7. PIN Index safety system and its applications. Mention the pin index of Oxygen, Nitrous oxide, Air, Nitrogen and Carbon dioxide.
8. WTG Morton.
9. Oculocardic reflex.
10. Enumerate the causes, symptoms and signs of hyperkalemia. Discuss its clinical management.

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Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 21-Nov-2020

[Time: 3 Hours] **[Max. Marks: 100]**

DIPLOMA IN ANAESTHESIOLOGY (D.A)
PAPER – II (RS-2/RS-3)
Q.P. CODE: 7012

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Describe the anaesthetic management of a 20 years old female patient with mass in the posterior fossa scheduled for craniotomy.

2. What are the indications for one lung ventilation and describe the management of hypoxemia during one lung ventilation?

3. Complex regional pain syndrome.

4. Central neural block in an anticoagulated patient.

5. What is Mendelson's syndrome? Write about Rapid sequence intubation.

6. HELLP syndrome?

7. Enumerate the pulmonary function test for a patient planned for pnemonectomy.

8. Oculo cardiac reflex.

9. With a neat labeled diagram describe the anatomy of internal jugular vein (IJV). Enumerate techniques, indications and complications of IJV cannulation.

10. Malignant Hyperthermia.

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Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 23-Nov-2020

[Time: 3 Hours] **[Max. Marks: 100]**

DIPLOMA IN ANAESTHESIOLOGY (D.A)
PAPER – III (RS-2/RS-3)
Q.P. CODE: 7013

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer all the Questions **10 X 10 = 100 Marks**

1. Define cerebral death and brain death. Discuss the criteria to establish brain death.
2. Define the criteria for the diagnosis of ARDS. Enumerate the causes for development of ARDS. Describe the strategies for ventilating the patient with ARDS.
3. Describe patient selection criteria for day care surgery. Discuss the anaesthetic management of a 4 year old child for circumcision, as a day care procedure.
4. Patient with a large thyroid gland, euthyroid clinically and biochemically has been posted for thyroidectomy. Describe the induction technique in this patient. What are the possible causes for post operative stridor in patient undergoing thyroid surgery? What are the measures you would institute if the patient develops stridor due to hematoma at the site of surgery?
5. A 45 year old male has suffered 40% burns a week ago involving front of chest, abdomen and legs. Describe the perioperative management of the patient scheduled for tangential excision.
6. Discuss the clinical uses of packed red cells, platelets and fresh frozen plasma.
7. Auto peep.
8. Weanig modes of ventilation.
9. Discuss the perioperative management of a 72 year male with history of recent myocardial infraction posted for emergency laparotomy.
10. What are the risk factors for awareness during general anaesthesia? Describe in detail bispectral index (BIS) monitoring.

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