Rajiv Gandhi University of Health Sciences

Post-Graduate Diploma Examination - JUNE 2016

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

DIPLOMA IN ANESTHESIOLOGY (D.A)

PAPER – I (Revised Scheme)

Q.P. CODE : 7011

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the anatomy and physiology Neuromuscular Junction. Describe the characteristic of depolarizing blocking drugs.
2. Discuss in detail the various anesthesia breathing circuits commonly used

SHORT ESSAY **6 X 10 = 60 Marks**

3. William Thomas green Morton
4. Ropivacaine
5. Capnography
6. Colloids
7. Extradural opioids
8. Humidity and methods of Humidification.

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Rajiv Gandhi University of Health Sciences

Post Graduate Diploma Degree Examination – JULY 2016

Time: Three Hours **Max. Marks: 100 Marks**

DIPLOMA IN ANAESTHESIOLOGY

PAPER – II (Revised Scheme)
Q.P. CODE: 7012

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the preoperative evaluation and anaesthetic management of a patient scheduled for clipping of intracranial posterior communicating artery aneurysm. What are the measures you would take in the event of rupture of the aneurysm intraoperatively?
2. What are the anaesthetic problems in a patient with ankylosing spondylitis scheduled for total hip arthroplasty? Discuss how you would manage 'bone-cement implantation syndrome' in this case.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Pulmonary function tests in obstructive lung disease

4. Complications of transurethral resection of prostate

5. Walking epidural

6. Intraoperative fluid management in a neonate

7. Modified Child-Pugh score

8. Haemodynamic goals in mitral stenosis

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Rajiv Gandhi University of Health Sciences

Post Graduate Diploma Degree Examination – JULY 2016

Time: Three Hours **Max. Marks: 100 Marks**

DIPLOMA IN ANAESTHESIOLOGY

PAPER – III (Revised Scheme)

Q.P. CODE: 7013

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 20 = 40 Marks**

1. A 50 yrs old lady with thyrotoxicosis is posted for sub total thyroidectomy. Discuss the anaesthetic management.
2. A 80 year old man with history of recent myocardial infarction is scheduled to undergo exploratory laparotomy for suspected colonic malignancy. Describe preoperative evaluation, optimisation, intraoperative and postoperative management.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Recruitment manouvres in ICU
4. Perioperative anaesthetic management for a 60 year old woman weighing 90 kg scheduled to undergo total knee replacement for osteoarthrosis.
5. Discuss perioperative laryngospasm in children under
   a) Causes
   b) Treatment modalities available
6. Discuss briefly the causes and prevention of perioperative renal dysfunction in a patient with severe obstructive jaundice undergoing radical pancreatoduodenectomy.
7. Anaesthetic management of 2 year old boy scheduled for the removal of foreign body in the bronchus, under general anaesthesia.
8. Mechanism of diffusion hypoxia and its management.

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Rajiv Gandhi University of Health Sciences

Post Graduate Diploma Degree Examination – NOV 2016

Time: Three Hours **Max. Marks: 100 Marks**

DIPLOMA IN ANAESTHESIOLOGY

PAPER – I (Revised Scheme)
Q.P. CODE: 7011

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Define cardiac cycle. Enumerate the phases of cardiac cycle. Explain Frank- starling relationship of the heart with the help of a graph.
2. Explain the formation and course of brachial plexus with the help of a neat labelled diagram. Enumerate the different approaches of brachial plexus block. Explain the procedure of axillary approach of brachial plexus block.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Compare and contrast: Sevoflurane and Desflurane. Discuss the nephrotoxicity of sevoflurane.
4. Describe the different ways of monitoring the neurological status of a patient under general anaesthesia. Explain how a BIS monitor can be used to prevent awareness during general anaesthesia.
5. Explain (with examples) the meanings of the terms distribution half life, terminal half life, context- sensitive half life, first –pass effect and first order kinetics.
6. State the normal values for cerebral blood flow. Discuss the physiological factors that affect cerebral blood flow.
7. WTG Morton
8. Explain the nerve supply around the ankle joint. Explain the procedure of ankle block.

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Rajiv Gandhi University of Health Sciences

Post-Graduate Diploma Examination – NOV 2016

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

DIPLOMA IN ANAESTHESIOLOGY (D.A)

PAPER – II (Revised Scheme)

Q.P. CODE : 7012

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the Anaesthetic Management of 40 year old male with bronchial asthma posted for Posterior Gastro Jejunostomy.
2. Mention the advantages of epidural Anaesthesia for total knee replacement (Right).

SHORT ESSAY **6 X 10 = 60 Marks**

3. Causes of Acute liver failure.
4. Measures for Control of Intracranial pressure.
5. Postoperative ICU management of renal transplant patient.
6. HELLP syndrome.
7. 4-2-1 regime in Paediatric fluid requirement.
8. Causes and management of Laryngospasm in Anaesthetic practice.

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Rajiv Gandhi University of Health Sciences

Post Graduate Diploma Degree Examination – NOV 2016

Time: Three Hours **Max. Marks: 100 Marks**

DIPLOMA IN ANAESTHESIOLOGY

PAPER – III (Revised Scheme)
Q.P. CODE: 7013

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Etiology & management of acute respiratory distress syndrome. Describe acute lungs injury score.
2. Outline the bradycardia algorithm. What are the indications for transcutaneous pacing?

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Patient controlled analgesia (PCA)
4. Recruitment manoeuvres.
5. Detail the techniques of separation of various components of whole blood. What are the guidelines for transfusion of fresh frozen plasma and cryoprecipitate?
6. What are the methods available to provide labour analgesia? Describe in detail the technique of lumbar epidural analgesia in a parturient.
7. Describe phantom limb pain. What are the methods available to prevent and treat such pain?
8. Discuss the patient selection criteria for day – care surgery. How do you manage a 4 year old child scheduled for circumcision as a day care procedure?

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