# Rajiv Gandhi University of Health Sciences

Post-Graduate Diploma Examination – MAY-2019

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

## DIPLOMA IN ANAESTHESIOLOGY (D.A)

## PAPER – I

## 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 Broncho pulmonary segments with suitable diagrams and its importance in anaesthesia practice.
2. Write the functions of liver and mention various liver function tests.
3. Hyperkalemia.
4. John Snow.
5. Induced Hypotension.
6. Hypoxic pulmonary vaso constriction.
7. Effects of drug on autonomic system.
8. Blood gas partition coefficient.
9. Pin index safety system.
10. Describe LMA CTrach. How is it different from intubating LMA?

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Post-Graduate Diploma Examination – MAY-2019

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

## DIPLOMA IN ANAESTHESIOLOGY (D.A)

## PAPER – II

## 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. Preoperative risk stratification of ischaemic heart disease patient coming for an elective abdominal surgery
2. Anaesthetic management of 46 year old lady coming with constrictive Pericarditis for pericardiectomy
3. Bedside pulmonary function testing
4. Anaesthetic management of manual removal of retained placenta
5. Anaesthetic management of 1 year old 7 kg child coming for meningomyelocoele repair
6. Intracranial pressure dynamics with nitrous oxide, halothane, Isoflurane, sevoflurane and desflurane
7. Physiological changes in respiratory, cardiovascular systems and blood during normal pregnancy
8. Hepato-renal syndrome aetiology and management
9. How do you diagnose and manage bone cement related reaction in a patient undergoing hemireplacement hip surgery under spinal anaesthesia?
10. Anaesthetic considerations and management of squint surgery in an 8 year old child

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Post-Graduate Diploma Examination - MAY-2019

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

## DIPLOMA IN ANESTHESIOLOGY (D.A)

PAPER – III

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. Anaesthetic management of a 73 year old hypertensive patient scheduled for microlaryngeal surgery and excision of vocal cord growth. Patient has hoarseness of voice, no stridor at rest, on Amlodipine 10mg with BP 150/90 mm Hg
2. Diabetic ketoacidosis scheduled for debridement of diabetic foot ulcer-preoperative optimization
3. Postoperative cognitive disorder in elderly-how will you recognize and manage
4. American Heart Association (AHA) guidelines for treating atrial fibrillation
5. Initial management of a polytrauma patient
6. Monitored anaesthesia care in MRI suite
7. Postanaesthesia recovery scoring system
8. Acid base analysis “Carbon dioxide – Bicarbonate” (Boston) approach
9. Management of “Delayed awakening” in a young adult following general anaesthesia
10. Discuss the causes and management “Postobstructive” pulmonary oedema

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# Rajiv Gandhi University of Health Sciences

Post-Graduate Diploma Examination – 12-Nov-2019

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

## DIPLOMA IN ANAESTHESIOLOGY (D.A)
## PAPER – I
## 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 in detail the placental transfer of drugs and its importance in anaesthesia practice.
2. Discuss the anatomy of epidural space with diagrammatic representation. Mention the complication of caudal anaesthesia.
3. Blood brain barrier.
4. Induced hypothermia.
5. Desflurane.
6. Sciatic nerve block.
7. Auguest Karl Gustav Bier.
8. Treatment of post dural puncture headache.
9. Low flow Anaesthesia.
10. Oxygen Cascade.

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# Rajiv Gandhi University of Health Sciences

Post-Graduate Diploma Examination – 14-Nov-2019

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

## DIPLOMA IN ANAESTHESIOLOGY (D.A)
## PAPER – II
## 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 preoperative evaluation and anaesthetic management of one month old child with biliary atresia scheduled for laprotomy and repair.

2. What are the causes, signs and symptoms of TURP syndrome? How will you manage?

3. Cardio pulmonary cerebral resuscitation in a pregnant lady.

4. Diagnosis and management of amniotic fluid embolism.

5. Incentive spirometry.

6. Diagnosis and management of local anaesthetic systemic toxicity.

7. Write short notes on:

   a) Etomidate.
   b) Rocuronium.

8. Double lumen endo tracheal tube.

9. What is TAP block? Describe the procedure and enumerate its clinical uses.

10. Blood component therapy.

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# Rajiv Gandhi University of Health Sciences

Post-Graduate Diploma Examination – 16-Nov-2019

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

## DIPLOMA IN ANAESTHESIOLOGY (D.A)
## PAPER – III
## 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 70 years old patient with diabetic ketoacidosis planned for below knee amputation.

2. Write in detail the etiological factors and evaluation of delayed emergence after general anaesthesia in an elderly patient after laprotomy for peritonitis.

3. Non-invasive ventilation in acute respiratory failure.

4. Methods of intra operative blood conservation.

5. High frequency oscillatory ventilation.

6. Enumerate patient selection guidelines, procedures suitable and contraindications for day care procedures under anaesthesia.

7. Ventilator associated pneumonia.

8. Peri operative atrial fibrillation.

9. How do you recognize and manage a case of hyperthermia under Anaesthesia?

10. Describe the physiological changes and its implications in geriatric anaesthesia practice.

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