Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 29-Jul-2021

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

DIPLOMA IN ANAESTHESIOLOGY
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 in detail the anatomy and physiology of adrenergic receptors.
2. Peri operative hypoxia.
3. Describe the types of action potential in the heart.
4. Minimum Alveolar Concentration.
5. The liver and Drug Metabolism.
6. Computers and Anaesthesia.
7. Activated Partial Thromboplastin Time.
8. Tec 6 Vaporizer for desflurane.
9. Dexmedetomidine.
10. Lactic acidosis.

Post-Graduate Diploma Examination – 31-Jul-2021

[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. “Three legged stool” preoperative testing of a patient coming for elective pulmonary surgery
2. Hypercyanotic spell in a child with congenital heart disease under anesthesia diagnosis and management.
3. What are the clinical implications of ischaemic heart disease patient coming for surgery within five months of bare metal coronary stent placement?
4. 50 year old male patient with history of Chronic Obstructive Pulmonary Disease (COPD) posted for cholecystectomy. Discuss the anaesthetic management.
5. Respiratory tract infection how will you decide regarding postponement of an elective surgery in a child
6. Perioperative intracranial pressure monitoring in a patient with head injury scheduled for craniotomy
7. Classify hypertensive disorders of pregnancy.
8. Blood conservation strategies in scoliosis surgery
9. Haemodialysis in a chronic kidney disease indications and anaesthetic considerations
10. Occulocardiac reflex under general anaesthesia

Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 02-Aug-2021

[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 management of a patient of Diabetic Ketoacidosis.
2. Augmented Pulse pressure variation.
3. Bifurcated bronchial blockers.
4. Myasthenia syndrome.
5. BI Spectral Index.
6. Baska Mask.
7. Point of care coagulation monitoring.
8. ERAS Protocol.
9. Recruitment maneuvers.
10. Changes in ACLS 2020

Post-Graduate Diploma Examination – 12-Nov-2021

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

DIPLOMA IN ANAESTHESIOLOGY
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. Bronchopulmonary segments and postural drainage
2. Coronary anatomy and factors affecting coronary blood flow
3. Incentive Spirometry and its application in perioperative period
4. Hypoxic pulmonary vasoconstriction
5. Factors affecting the rate of rise in fraction of alveolar to inhaled anaesthetic agent (F_A/F_I)
6. Remifentanil - action, metabolism and the advantages over other opioid drug
7. WTG Morton contribution to anaesthesia
8. Functional analysis of Mapleson A circuit
9. Explain Bohr effect and Haldane effect, with respect to respiratory physiology.
10. Anatomy of caudal epidural space

Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 15-Nov-2021

[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. Anaesthetic management of video assisted thoracoscopic resection of emphysematous bullae
2. Right sided double lumen tube-indications, limitations and insertion technique
3. Discuss the anaesthetic management of a 7 year old girl with Atrial Septal Defect (ASD) scheduled for device closure.
4. Discuss the anaesthetic challenges associated with placenta previa patient coming for caesarean delivery.
5. Describe the technique of retrobulbar block for cataract surgery, drugs used and complications.
6. How will you prepare your patient for sitting position surgery? What are the complications associated with sitting position?
7. Write briefly on anaesthetic and postoperative analgesia plan for 1 year old child scheduled for herniotomy.
8. Renal Replacement Therapy (RRT)
9. Anaesthetic plan for an 80 year old lady with intertrochantric fracture coming for fixation with no comorbidities
10. WHO analgesic ladder for management of chronic pain

Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 17-Nov-2021

[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. Enumerate the causes for massive blood transfusion and discuss its complications.
2. Describe Glassgow coma scale and its interpretation.
3. Discuss the adverse effect of intermittent positive pressure ventilation on the cardiovascular and respiratory system.
4. Anesthetic implications of geriatric patients.
5. Clinical manifestation of organophosphorus poisoning. Describe its management.
6. Describe the mechanism of anaphylaxis? How do you manage?
7. Classify pain. Describe the pain pathway with the help of a diagram.
8. Ventilator associated pneumonia.
9. Current guidelines in ambulatory anaesthesia.
10. Classify hypoglycemic agents. What is insulin pump therapy? How does it work and what are its benefits?

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