Rajiv Gandhi University of Health Sciences, Karnataka

M. D. Degree Examination – 29-Jul-2021

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

EMERGENCY MEDICINE
PAPER – I (RS-2/RS-3)
Q.P. CODE: 7511

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 Pathophysiological changes, clinical approach, ancillary tests and management of acute renal failure.
2. Define hypoxemia, the pathophysiology, clinical features, diagnosis and treatment of hypoxemia.
3. End tidal Carbon Dioxide monitoring.
4. Glasgow coma scale.
5. Supraglottic airway devices.
6. Anti-convulsant drugs in status Epilepticus.
7. Lignocaine: Pharmacology and uses.
8. Paediatric Airway: Anatomy and Evaluation.
9. Hypertensive Emergencies in Pregnancy: Pathophysiology and management.
10. Nonsteroidal anti-inflammatory drugs: Clinical presentation of toxicity and management.

M. D. Degree Examination – 31-Jul-2021

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

EMERGENCY MEDICINE
PAPER – II (RS-2/RS-3)
Q.P. CODE: 7512

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 differential diagnoses, drug therapy and airway management in a three-year-old child presenting to the Emergency department with noisy breathing and drooling.
2. Discuss Duke criteria for diagnosis of Infective endocarditis. What are the drugs used in initial empirical antibiotic therapy for different types of bacterial endocarditis?
3. Mechanism of action of three antiplatelets agents used in acute coronary syndrome.
4. Etiopathogenesis and Severity Index Assessment by Computed Tomography in Acute Pancreatitis.
5. Prognostic scores for early stratification of septic patients in the Emergency Department.
6. Newer rescue oxygenation strategies in Acute Respiratory Distress Syndrome.
7. Mucormycosis.
8. What are the mechanisms of heat transfer? Discuss the physiologic response to heat stress.
9. Discuss differential diagnosis of chest X-ray findings in Acquired Immunodeficiency Syndrome.
10. Cardiogenic shock.

Rajiv Gandhi University of Health Sciences, Karnataka

M. D. Degree Examination – 02-Aug-2021

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

EMERGENCY MEDICINE
PAPER – III (RS-2/RS-3)
Q.P. CODE: 7513

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 Refractory Status Epilepticus and discuss its management in an adult patient.
2. What is Berlin criteria for diagnosis of Acute Respiratory Distress Syndrome (ARDS)? Discuss the different initial ventilatory strategies in ARDS.
3. Discuss different Pain scales and their use during Procedural analgesia and sedation in the Emergency department.
4. Complications and Suture techniques of Extensor tendon lacerations of the fingers.
5. Describe the methods to manage Epistaxis in the Emergency department.
6. Management of laryngotracheal injuries in adults and children.
7. Mechanisms, symptoms and prognosis of the major incomplete spinal cord syndromes.
8. Discuss with flow charts two Clinical Decision Rules for Cervical spine evaluation following trauma.
9. Discuss classification and complications of Pelvic fractures.
10. Discuss the clinical features and laboratory findings of Preeclampsia and HELLP syndrome.

M. D. Degree Examination – 04-Aug-2021

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

EMERGENCY MEDICINE
PAPER – IV (RS-2/RS-3)
Q.P. CODE: 7514

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. How will you clinically evaluate a sick Continuous Ambulatory Peritoneal Dialysis (CAPD) patient presenting to the ED? What are the specific complications of CAPD?
2. Discuss with help of examples the guidelines for adrenal supplementation therapy in various medical and surgical stresses.
3. Emergency complications of malignancies related to biochemical derangement.
4. Define and discuss Rapid tranquilization in Emergency department for combative patients.
5. What are the different categories of elder abuse? Discuss the risk factors for elder abuse.
6. Forensic examination guidelines in sexual assault cases.
7. Pathophysiology and Diagnostic criteria of Toxic Shock Syndrome.
8. Pulmonary emergencies in Systemic Rheumatic diseases.
9. Etiopathogenesis and Diagnosis of Hyperosmolar Hyperglycemic States.
10. Acquired thrombocytopenia causes, diagnosis and management.