Rajiv Gandhi University of Health Sciences, Karnataka

M. D. Degree Examination – 14-Jul-2020

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. Syndrome of inappropriate antidiuretic hormone (SIADH) pathophysiology, diagnosis and management.
2. What is obstructive shock? Describe your approach and management in the emergency department.
3. Describe briefly Pathophysiology of variceal haemorrhage and management in the ED.
4. Describe Automated External Defibrillator (AED) and its use in children.
5. Massive blood transfusion.
6. Describe Paediatric Respiratory Assessment Measure (PRAM scoring) and its clinical implication.
7. Interpretation of Thyroid function tests in ED.
8. AAST grading – Liver, Spleen and its clinical implication.
9. Arterial line cannulation – Procedure, indications, contraindications.
10. NEXUS criteria, Canadian C-spine rule.

M. D. Degree Examination – 16-Jul-2020

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. What are the signs and symptoms associated with seizures in pediatric age group? Enumerate the general approach to its evaluation. What would be your line of treatment for Status epilepticus?
2. Define and elaborate on pathophysiology of upper gastrointestinal bleeding. What are your primary and secondary treatment strategies? Add a note on ED disposition and follow-up.
3. Pathophysiology, causes and management of patients with cough in ED.
4. Head trauma in children
5. Heat stroke
6. Acute toxic hepatitis
7. Neurological complications of HIV and AIDS.
8. Fast sodium channel blockers.
9. Causes and diagnosis of pulmonary embolism.
10. STEMI diagnosis and management.

Rajiv Gandhi University of Health Sciences, Karnataka

M. D. Degree Examination – 18-Jul-2020

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. Discuss the features of various types of snakebite. Describe the complications and management of poisonous snakebites in the Emergency Department.
2. Discuss the etiology, precipitating factors, diagnosis and management of hepatic encephalopathy in Emergency Department.
3. Methanol poisoning
4. Atrial fibrillation
5. Continuous renal replacement therapy.
6. Acute respiratory distress syndrome.
7. Haemorrhagic shock
8. Ventilatory strategy in a trauma victim
9. ECMO (Extracorporeal membrane oxygenation)
10. Septic shock protocol in ED

M. D. Degree Examination – 20-Jul-2020

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. Discuss the presentation, differential diagnosis and management of a patient with Myasthenia gravis presenting to ED.
2. Describe the ED based management of tachyarrhythmias.
3. Management of Scorpion envenomation.
4. Oxygen therapy.
5. Anticonvulsants in ED.
6. Anterior glenohumeral dislocation.
7. Management of a patient with severe breathlessness in ED.
8. Lightning injuries diagnosis and treatment in ED.
9. Diabetes ketoacidosis clinical features and management in children.
10. Vaginal bleeding in non-pregnant patient.

Rajiv Gandhi University of Health Sciences, Karnataka

M. D. Degree Examination – 19-Nov-2020

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. What is cerebral auto-regulation? Discuss the methods to reduce intracranial hypertension.
2. Discuss normal cardiac conducting system. Discuss indications for Emergency Pacing and describe the Emergency Pacing techniques.
3. Extended focused assessment with sonography for trauma (EFAST)
4. Wheezing: Pathophysiology, clinical features and diagnosis
5. Femoral nerve block
6. Immobilization devices and uses
7. Pathophysiology and probability assessment of pulmonary embolism
8. Hyponatremia
9. Monamine oxidase inhibitions pathophysiology and drug interactions.
10. Causes and pathophysiological changes of intravascular volume loss

*****

M. D. Degree Examination – 21-Nov-2020

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. A 2 year old male brought to ER with c/o cough and hoarseness of voice since 3 days and fever. Mother gives h/o brassy cough. O/E child is lethargic, cyanosed with weak cry and inspiratory stridor. HR-100/min, RR-55/min, SpO2-70%, nasal flaring +, retractions +
   a) What is your probable diagnosis?
   b) Differential diagnosis.
   c) How will you manage this case?
   d) What is WET flag?
2. WELL's score – DVT, PE and PERC rule.
3. Gas gangrene.
4. Define status epilepticus. Write about Adult status epilepticus management protocol.
5. Acute right ventricular myocardial infarction.
6. What are heat emergencies? Tabulate the signs and symptoms of each. Describe the management of heat stroke in ED.
7. HELLP syndrome.
8. Myaesthenic crisis.
9. Hypersmolar hyperglycemic state.
10. A 60 year old male comes to the ER with c/o severe acute right sided abdominal pain.
    a) What are your differential diagnoses?
    b) How will you evaluate the patient clinically?
    c) How will you investigate and manage the patient?

Rajiv Gandhi University of Health Sciences, Karnataka

M. D. Degree Examination – 23-Nov-2020

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. What are the physiologic effects of thermal burns? Classify burns according to burn depth features. How would you manage these patients in the ED?
2. What is accidental hypothermia? How do you categorize them? Discuss its pathophysiology and management guidelines.
3. Emergency pacing techniques.
4. Methods of wound closure.
5. Management of status asthamaticus.
6. ED interventions and diagnostic evaluation for patient with suspected acute stroke.
7. Refractory status epilepticus.
8. Post resuscitation hypothermia.
9. Rescue therapies for management of acute respiratory failure in ED.
10. Surgical cricothyroidotomy.

M. D. Degree Examination – 25-Nov-2020

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. Discuss the presentation, differential diagnosis and management of a patient with acute loin pain presenting to ED.
2. Describe the ED based management of tachyarrhythmias.
3. Evaluation and management of syncope in ED.
4. Neurogenic shock pathophysiology, clinical features and management.
5. Acute renal failure causes, clinical features and management.
6. Evaluation of wounds in ED.
7. Hyponatremia.
8. Types of exposure, clinical presentation and management in a radiation event management.
9. Nontraumatic cardiac tamponade.
10. Anorectal abscess.