Rajiv Gandhi University of Health Sciences, Karnataka

M. D. Degree Examination – MAY-2019

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

Emergency Medicine

PAPER – I

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 Anatomy of the portal venous system, pathophysiology and clinical features of portal hypertension in cirrhosis of liver.
2. Classify, discuss mechanism of actions clinical indications of Heparin in ED
3. Principles of Pulse oximetry and factors affecting pulse oximetry measurements.
4. Classification and Pathophysiology of Lactic acidosis.
5. Delayed Sequence Intubation.
6. Feedback devices in Cardiopulmonary Resuscitation.
7. Classify Acute coronary syndrome and describe diagnostic investigations in ED
8. Nerve Gases
9. Draw an Disaster Incident Command System organizational chart and explain the major components.
10. M-Mode Ultrasound applications for Emergency Physician.

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Emergency Medicine

PAPER – II

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. Describe the anatomy of coronary arteries. Discuss the ECG findings predicting culprit coronary artery and location of infarct.
2. Aspiration Pneumonitis-describe briefly pathophysiology, diagnosis and management
3. Hepatorenal syndrome-mention the etiology, diagnosis and management
4. A 5 year old child brought to the ED with h/o fever for 2 days and repeated seizures since last one hour. Patient is unconscious, febrile with active convulsions.
    a) What are the possibilities?
    b) What basic investigations you will order in ER?
    c) How will you manage the emergency in ER?
    d) Drug therapy in Status epilepticus.
5. Management of generalized tetanus.
6. Myxedema coma – pathophysiology, clinical features and management
7. What are the various steps to reduce raised ICP? What is cushing triad? Add a note on the lumbar puncture findings of bacterial, fungal and viral meningitis.
8. Sudden infant death syndrome. Mention the causes, clinical features and management in ED
9. Emergency management of upper GI bleed.
10. A 45 year old man was found unconscious in the generator room. Enumerate possible causes and management in detail.

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Emergency Medicine

PAPER – III

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 Pathophysiology and Initial Emergency Department management of Asthma exacerbations according to Peak Expiratory Flow measurements.
2. Assessment and Management of a patient with tracheostomy in respiratory distress.
3. Guidelines for empirical treatment of Bacterial meningitis taking into consideration different patient populations and potential pathogens.
4. Anatomic zones of neck and their relevant surgical anatomy in the context of trauma.
5. Discuss 5 anatomic differences in the pediatric airway and its implications in pediatric trauma management.
6. Evaluation of vaginal bleeding in a non pregnant female.
7. Sites, Devices and Complications of Intraosseous access.
8. Surgical anatomy and physical exam findings in Shoulder rotator cuff injuries.
9. Clinical features, microbiology and management of Acute Diffuse Otitis Externa.
10. Hematuria clinical features, diagnosis and management in ED

M. D. Degree Examination – MAY-2019

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

EMERGENCY MEDICINE

PAPER – IV

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 pathophysiology, clinical evaluation and management of asthma in children.
2. Explain positive types techniques and complications of noninvasive positive pressure ventilation.
3. Medicolegal consideration in a case of sexual abuse in a child.
4. Bioterrorism - Agents of concern, prophylaxis, vaccination and treatment.
5. Define golden hour. Explain clinical considerations of primary and secondary survey in a patient with poly trauma.
6. Classify thermal burns. Explain briefly ED resuscitation and stabilization. Discuss admission and transfer criteria.
7. Discuss stroke syndromes and diagnostic tests.
8. Explain pathophysiology, clinical features and management of hypoglycemia.
9. Clinical features, causes and treatment of postpartum hemorrhage.
10. Clinical features, diagnosis and treatment of renal colic.