Rajiv Gandhi University of Health Sciences, Karnataka

M. D. Degree Examination – 07-May-2022

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. Write a brief essay on agents of Bioterrorism. How do you identify an event of bioterrorism? Add a note on ED preparedness for such an event.
2. A 60-year-old man patient who is a known case of coronary artery disease presented with vomiting, tinnitus and haring loss. His ABG shows p^H – 7.4, bicarbonate – 15 and P_{co2}-20 with a cretinine of 2 mg/dl. What is the probable diagnosis? How will you manage this patient?
3. Draw a neat labelled diagram of circle of wills. Explain the Monroe-Kelly doctrine in relation to a head-injury.
4. Explain the procedure, advantages and disadvantages of cohort studies. Add a note on odds ratio and relative risk.
5. Write briefly on indications, contraindications and complications of femoral nerve block. Add a short note on the procedure of USG guided femoral nerve block.
6. Describe in detail about supraglottic airway devices.
7. Describe the properties of cardiac muscle. Add a note on action potential of ventricular myocyte.
8. Explain the systematic procedure of death declaration.
9. Write briefly an ethical issues and confidentiality.
10. Write briefly on BLUE protocol.

M. D. Degree Examination – 09-May-2022

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 70 year old male who developed sudden onset of loss of speech with weakness of right side of his body at 08.30a.m is brought to the emergency room by ambulance at 09.00a.m. Discuss how you would evaluate and manage this patient for next 24 hours. Mention the indications and contraindications for thrombolysis.
2. A one and half year old child is admitted with acute onset of strider. Discuss the causes and outline the management.
3. Management of kerosene poisoning.
4. Febrile seizures.
5. Discuss the pathophysiology of vertigo. List the clinical features to differentiate peripheral from central vertigo.
6. Delirium.
7. Causes for hyponatremia and its management.
8. Traveller's diarrhoea and antibiotic of choice.
9. Withdrawal and withholding of life support system.
10. Management of diabetic ketoacidosis.

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M. D. Degree Examination – 11-May-2022

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. Explain the ED management of community acquired pneumonia.
2. A 30 year old female patient has presented to ED with bilateral pedal edema, giddiness, jaundice and blurring of vision. On examination her vitals were BP-160/100, PR-130, icteric. What is the probable diagnosis? Outline management and disposition.
3. A 3- year old patient who was an un restrained in a car has collided with an electric pole at a speed of 80 km/hour. List all the expected injuries. Briefly discuss the management of polytrauma victim.
4. What are the clinical red flags in patient presenting with severe headache? Outline general management headache in ED.
5. List the red-flag signs of suspected case of pulmonary thrombo embolism. Scoring systems, investigations and risk stratification of PE.
6. Write a brief essay on nerve entrapment syndromes.
7. ED management of odontogenic pain.
8. Complications of urinary catheters.
9. A 50 year old male patient presented to emergency with a penetrating trauma to the left flank with a screw driver in-situ? His vitals are stable. Make a management plan for the given scenario.
10. Write briefly on complications of otitis media and its management.

M. D. Degree Examination – 13-May-2022

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. Newer antiepileptic drugs its advantages over conventional antiepileptic drugs.
2. Role of hyperbaric oxygen therapy in emergency medicine.
3. Clinical features and treatment of COVID - 19
4. Hypotensive resuscitation.
5. Extra corporeal therapies available for treatment of critically ill patients.
6. Damage control resuscitation.
7. IABP (Intra-aortic ballon pump).
8. Rescue therapies for management of refractory hypoxia in ARDS.
9. Diagnosing brian death.
10. RUSH protocol (Rapid ultrasound for shock and hypotension).