Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Emergency and Trauma Care Technology Degree Examination – 30-May-2024

Time: Three Hours | Max. Marks: 100 Marks

MEDICAL EMERGENCIES

Q.P. CODE: 3367

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. Classify of Pneumothorax. Describe etiology, clinical feature and management of tension pneumothorax.
2. Define Shock. Types of shock and how will you grade hypovolemic shock and short notes on its management.

SHORT ESSAYS 10 x 5 = 50 Marks

3. Causes and management of DVT-Deep Vein Thrombosis.
4. Fluid resuscitation and monitoring Hypovolemic shock.
5. Clinical features and management of Myasthenia Gravis.
6. Clinical features of abdominal aortic aneurysm. List the drugs used in Hypertensive emergencies.
7. Management of Diabetic Ketoacidosis (DKA).
8. Hospital Acquired Infections.
9. Types of Anaemia and management.
10. Clinical features and management of Peptic Ulcer.
11. Define Anaphylaxis. Describe its causes and management of Anaphylaxis.
12. Dengue shock syndrome, clinical features and laboratory findings.

SHORT ANSWER 10 x 3 = 30 Marks

13. Glassgow Coma Scales (GCS).
14. Tetanus.
15. Management of Hyponatremia.
16. Drugs used in acute Myocardial Infarction.
17. Types of dialysis.
18. Polycythemia.
19. Six causes of Respiratory acidosis.
20. Epididymitis.
21. Three causes of Upper GI bleed.
22. Write three cardinal features of cardiac tamponade.

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Emergency & Trauma Care Technology Degree Examination – 03-Jun-2024

Time: Three Hours | Max. Marks: 100

TRAUMA AND SURGICAL EMERGENCIES

Q.P. CODE: 3368

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS — 2 x 10 = 20 Marks

1. Write the presenting symptoms, clinical assessment and point of care investigations and initial management done in head injury
2. Write in detail about the clinical features, investigations and management of renal Calculi.

SHORT ESSAYS — 10 x 5 = 50 Marks

3. Write a short note on causes, scoring and management of appendicitis
4. Write the definition, presenting symptoms and differential diagnosis for Hemothorax
5. Write the rule of nines and the Parkland's formula
6. Write in detail about the components of secondary survey in trauma
7. Write a note on special consideration for trauma in pregnancy
8. How do we manage airway and breathing in hanging patients? Explain
9. Write a note on Phimosis and Paraphimosis
10. What is cardia tamponade? Write the components of Beck's triad
11. What is Ludwig's angina? What are the symptoms of Ludwig's angina?
12. Write the indications and complications of tracheostomy. Add a note on maintenance of tracheostomy tube

SHORT ANSWER — 10 x 3 = 30 Marks

13. Define Gingivitis
14. What is compartment syndrome?
15. Expand ESWL
16. What is the criteria to start massive transfusion protocol?
17. Write any three eye infections
18. Define peritonitis
19. Write the types of cholecystitis
20. What are the benefits of immobilizing a fractured limb?
21. Define stridor
22. What are the complications of foreign body in the ear?

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Emergency & Trauma Care Technology Degree Examination – 05-Jun-2024

Time: Three Hours | Max. Marks: 100

EMERGENCIES IN PEDIATRIC AND SPECIAL POPULATION

Q.P. CODE: 3369

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. Discuss the possible causes, presenting symptoms, clinical assessment and basic initial management of Antepartum haemorrhage
2. Discuss the presenting symptoms, clinical assessment and initial management of depression

SHORT ESSAYS 10 x 5 = 50 Marks

3. Write the Morse fall scale
4. Write the causes and initial management of diarrhoea and dehydration in paediatric population
5. Write a detailed note on Pharmacological restraints
6. List the complications of ectopic pregnancy
7. Write the possible causes, presenting symptoms and any two point of care investigations for pneumonia in children
8. What does cyanosis in children indicate? Discuss
9. Enumerate the causes and clinical manifestations of febrile seizures
10. How do we assess a pregnant patient? Explain
11. Write presenting symptoms and initial management of pre-eclampsia
12. Write a note on child abuse

SHORT ANSWER 10 x 3 = 30 Marks

13. **Define Placenta previa**
14. Mention any three drugs used for inducing labour
15. Define septic shock. Mention any three cause of septic shock in children
16. List any three diagnostic aid for pneumonia
17. Define Acute mania. Write any two presenting symptoms of acute mania
18. Define apnoea and mention two of its causes
19. Name any three airway emergencies seen in paediatrics
20. Mention any three causes for cardiac arrest in paediatrics
21. Write the contents of a normal delivery kit
22. Expand APGAR score

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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Emergency & Trauma Care Technology Degree Examination – 22-Nov-2024

Time: Three Hours | Max. Marks: 100

MEDICAL EMERGENCIES

Q.P. CODE: 3367

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS — 2 x 10 = 20 Marks

1. Define Tachyarrhythmia. Write the ACLS Tachycardia with a pulse algorithm
2. Write the presenting symptoms, clinical assessment, point of care investigations and initial management of DKA

SHORT ESSAYS — 10 x 5 = 50 Marks

3. Define Pneumothorax. Enumerate the different types of Pneumothoraxes
4. Discuss the differential diagnosis of Acute Pancreatitis and write its initial management
5. Write the possible causes and clinical manifestations of a patient in fluid overload state
6. Write a note on Adrenal Crisis
7. Discuss the approach to a patient with Sepsis
8. Define hyponatraemia. Write the presenting symptoms and initial management of hyponatraemia
9. Discuss the clinical presentation and initial management of Lower GI bleed
10. Write the possible differential diagnosis and point of care investigations for Pneumonia
11. Write a note on Ischemic stroke
12. Discuss five causes of acute breathlessness

SHORT ANSWER — 10 x 3 = 30 Marks

13. Mention three medical emergencies caused due to electrolyte disturbances
14. What is Pleural effusion? Mention two of its causes
15. Mention any three complications of stroke
16. Mention the signs and symptoms of Upper GI bleed
17. Write the normal values of sodium, potassium and pH
18. Write any six causes of Hypovolemia
19. List the point of care investigations done for a patient presenting with Chest pain
20. Write a short note on toxic epidermal necrolysis
21. Define Hypocalcaemia. Write any two of its presenting symptoms
22. What are the three types of acute coronary syndrome?

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Emergency and Trauma Care Technology Degree Examination – 25-Nov-2024

Time: Three Hours | Max. Marks: 100 Marks

Trauma and Surgical Emergencies

Q.P. CODE: 3368

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. What is tension pneumothorax? Etiology, clinical features and management of tension pneumothorax in ED
2. 58 year old male patient presented to ED with acute onset of abdominal pain. Discuss differential diagnosis, investigations and management of this patient in ED

SHORT ESSAYS 10 x 5 = 50 Marks

3. Classify spinal fractures depending on mechanism of injury
4. Note on open pneumothorax
5. Explain ED management of Penetrating neck injury
6. Write a note on different types of splinting techniques used in ED
7. Note on supracondylar fracture of elbow. Mention complications of this fracture
8. Differential diagnosis of red eye in ED
9. Treatment of epistaxis in ED
10. Note on chemical burns
11. Management of hypovolemic shock in trauma.
12. Toxic shock syndrome

SHORT ANSWER 10 x 3 = 30 Marks

13. Secondary survey in trauma of adults
14. Define Brown-Sequard syndrome
15. Mention any three cold injuries
16. Rule of nine in burns
17. Difference between partial and complete hanging
18. Diagram showing abdominal quadrants
19. Management of live foreign body in ear
20. Note on laryngoscope used in ED
21. Uses of bed side ultra sound in trauma
22. Common medication in crash cart

Correction 25.11.2024 Morning

Q.P Code: 3368

Replace the question No. 11as

11. Management of hypovolemic shock in trauma.

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Emergency & Trauma Care Technology Degree Examination – 27-Nov-2024

Time: Three Hours Max. Marks: 100

EMERGENCIES IN PEDIATRIC AND SPECIAL POPULATION

Q.P. CODE: 3369

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. Classification of dehydration in children. Write a note on modified parkland formula and its importance
2. Classification of abnormal uterine bleeding. How will you manage a case of post menopausal bleeding?

SHORT ESSAYS 10 x 5 = 50 Marks

3. Child abuse
4. Write a note on modified parkland formula and its importance. Calculate the amount of fluid to be given in 10 year old child with 30% burns surface area
5. Describe clinical features of hyperthermia and measures to reduce hyperthermia
6. Write a note on managing adult and child with chocking
7. Difference in CPR technique between adult and 2 year old child with cardiac arrest
8. Define Pre-eclampsia. What are the investigations required at ER for patient with pre eclampsia?
9. Alcohol withdrawal syndrome – clinical features and management
10. Paediatric basic life support
11. Management of meconium aspiration syndrome
12. Mention the five causes of acute confusion state in elderly patients

SHORT ANSWER 10 x 3 = 30 Marks

13. Name four causes of cardiac arrest in paediatric patients
14. Name four causes of seizures in paediatric patients
15. Define sudden infant death syndrome
16. Components of Apgar score
17. Rabies vaccine
18. Management of infant diarrhea
19. Three indications for Heimlich's maneuver
20. Write a note on AVPU scale.
21. Single rescuer CPR algorithm for a child aged four years
22. **Write a note on AVPU scale.**