Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Emergency & Trauma Care Technology Degree Examination – 05-May-2026

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

INTRODUCTION TO EMERGENCY MEDICAL SERVICES

Q.P. CODE: 3364

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Lifting and transporting injured patient in a pre-hospital situation
2. What is a medico legal case? List out MLC cases and explain each

SHORT ESSAYS **10 x 5 = 50 Marks**

3. **Primary roles and responsibilities of a Paramedic**
4. Principles of life support in an unconscious patient
5. Personal protective equipment (PPE)
6. What is blood pressure? Explain methods used to measure BP
7. Describe various departments in the hospital
8. Components of emergency response team. Explain in detail
9. Define triage and elaborate on colour coded triage system
10. History taking and physical examination in emergency
11. Types of ambulance services. Define each of them
12. Define multiple and mass casualties. Describe the management of each

SHORT ANSWER **10 x 3 = 30 Marks**

13. Precautions during cardiopulmonary resuscitation for patient safety
14. What is field triage in a disaster?
15. Mention three sizes of IV cannula with their colour coding
16. Mention six safety measures during patient transport in hospital
17. BLS algorithm
18. What is the admission procedure in the hospital?
19. Resuscitation in pregnancy
20. Mention three drugs used in asthma
21. Mention three drugs used in cardiac arrest
22. What is verbal consent?

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II Year B.Sc. Emergency & Trauma Care Technology Degree Examination – 07-May-2026

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

EMERGENCY DEPARTMENT EQUIPMENT

Q.P. CODE: 3365

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Describe the crash cart used in emergency department. Add a note on drugs in crash cart
2. Non invasive ventilation. Indication and basic settings

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Use of USG in emergency
4. Describe about capnography and its waveform interpretation
5. AMBU bag
6. Arterial blood gas analysis
7. Automated external defibrillator
8. Liver Function Tests
9. Head injury analysis and management
   Or
   Write a note on pulse oximeter
10. Cervical spine immobilization in trauma
11. Ryles tube
12. Emergency Tracheostomy

SHORT ANSWER **10 x 3 = 30 Marks**

13. Uses of portable Pulse Oximeter
14. Continuous positive airway pressure
15. Oxygen face mask
16. Airway Adjuncts
17. Intravenous fluids in crash cart
18. Types of bandaging
19. Types of oxygen cylinders
20. Types of splint
21. Glucometer
22. Point of care test done in emergency

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Emergency and Trauma Care Technology Degree Examination – 12-May-2026

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

Emergency Department Pharmacology

Q.P. CODE: 3366

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Define status epilepticus. Discuss the stepwise approach to the management of status epilepticus.
2. Discuss the pharmacological actions of adrenaline. Add a note on treatment of anaphylactic shock.

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Write in detail about the advantages and disadvantages of intramuscular route of drug administration.
4. What is cardiogenic shock? Write its management.
5. Discuss the kinetics of drug elimination.
6. Discuss the general principles in the management of poisoning.
7. What is Lignocaine? Explain with uses.
8. What is hypertensive crisis? How do you manage it?
9. Enumerate cardio selective beta blockers. Discuss their advantages.
10. Write a note on therapeutic drug monitoring. Give examples.
11. Discuss the management of a patient of myocardial infarction.
12. Comment on the following prescription for a patient of iron deficiency anaemia, correct it and rewrite it.

    Mr. ABC
    30 Y, Male
    Vibhas street, KN pur.

    Rx

    Tab. Ferrous fumarate (50mg) 1 tab daily at bed time.
    Tab. Folic acid (5mg) 1 tab daily.

    Dr. XYZ
    Reg. No 778899

SHORT ANSWER **10 x 3 = 30 Marks**

13. Name any two calcium blockers used in the treatment of arrhythmia.
14. Name one cause for medication error and one strategy to prevent it.
15. Give two examples of prodrugs with their uses.
16. Advantages and disadvantages of oral route of drug administration.
17. Give reason: propranolol is contraindicated in bronchial asthma patients.
18. Treatment of morphine poisoning.
19. List the drugs used to treat hypoglycaemia.
20. Name two plasma expanders. Mention their uses.
21. Give two examples for drugs antagonism.
22. Name two parenteral iron preparations. List their uses.

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Emergency and Trauma Care Technology Degree Examination – 11-May-2026

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

Emergencies in Paediatric 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. Write a note on Emergency delivery. Mention steps of labor and complications of emergency delivery
2. Write causes of diarrhea. Clinical features and fluid management of 3 year old child presented to ED with dehydration

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Define Pre-eclampsia. Investigations and management of Pre-eclampsia in ED
4. Write a note on special consideration in management of pregnant women with A/H/O road traffic accident
5. Write a note on Ovarian Torsion
6. Write a note on intraosseous Access in infants
7. Mention the causes of Stridor in children. Management of Stridor in ED
8. What are the causes of vomiting in children? ED management of acute vomiting in children
9. Define status-epilepticus. Management of status-epilepticus in ED
10. Modified GCS scale (Glasgow Coma Scale) in infants and children
11. Write a note on child abuse
12. ED management of patients with depression and suicidal tendency

SHORT ANSWER **10 x 3 = 30 Marks**

13. Note on delivery of placenta
14. AVPU scoring
15. **Mention three challenges in treating Geriatric patient in emergency**
16. Mention any three Congenital Heart Disease in children
17. Mention any three drugs with doses used in treatment of pediatric seizures
18. **Sudden Infant Death Syndrome (SIDS)**
19. **Mention three Risk factors for Ectopic Pregnancy**
20. **Choking Relief for infants**
21. **Management of postpartum Hemorrhage**
22. **Septic Abortion**

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