



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Second Year (Semester-III)

March 2026 Examination

B.Sc. Emergency Medicine Technology

Time: 2 hrs 30 mins.

[Max. Marks: 80]

Introduction to Clinical Practices Including Nursing Care

Q.P Code: KA3260

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Write an essay on Patient Scene Size Up.
2. Write a note on Physical Examination. Explain Tools of Physical Examination.

SHORT ESSAY

6 X 5 = 30 Marks

3. Explain Mercury Spill Management in hospital.
4. Expand SAMPLE History and write brief note on it.
5. Write note on Hypoxia Management in ER.
6. Briefly explain how to check Blood Pressure in ER and what are precautions to be taken to check BP.
7. Write a note on factors influencing Pulse rate.
8. Write short note on Removal of Helmet in Trauma Patient.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Write a note on Primary Survey in Emergency Room.
10. Write a note on Isocoria, Anisocoria, Miosis and Midriasis with neat diagram.
11. Define pain score and its significance. Draw pain score chart.
12. Expand and explain about LEMON Score.
13. Describe Endemic, Epidemic and Pandemic with examples.
14. Write a note on Clubbing with neat labelled diagram.
15. What is CRT and its normal range.
16. What is Nosocomial infection and how to prevent it.
17. Write a note on Epistaxis.
18. Enumerate different Routes of Drug Administration and write note on it.

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B.Sc. Emergency Medicine Technology

Time: 2.30 Hrs.

[Max. Marks: 80]

Critical Concepts and Decision Making in Emergency Medicine

Q.P Code: KA3270

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

I. LONG ESSAY

2 X 10 = 20 Marks

1. Write a note on Airway Obstruction and its causes. Note on its management in emergency room.
2. Write a note on Hyponatremia- causes, clinical manifestations, diagnosis and its management.

II. SHORT ESSAY

6 X 5 = 30 Marks

3. Write a note on High Quality CPR.
4. Enumerate on syncope and its types.
5. Hypoglycemia – causes, clinical manifestations, diagnosis and management in ER.
6. Describe Myocardial infarction and its phases of CAD
7. Define Bradypnea and discuss the causes.
8. Describe on Neonatal Jaundice and its causes.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. 5 T's of reversible cardiac arrest and how to diagnose in ER.
10. Write down normal values of RFT.
11. Define and explain about Ascites and Pulmonary Edema.
12. List down the uses of inj. Atropine and its dose.
13. Draw a normal ECG with neat labelling of waves, complexes and segments.
14. List out the Risk Factors of MI.
15. Draw uterine structure showing height based on pregnancy weeks.
16. Mention the conditions that causes diaphoresis.
17. Write a note on Tinnitus and possible causes.
18. Write down normal values of CBC.

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B.Sc. Emergency Medicine Technology

Time: 2.00 Hrs.

[Max. Marks: 40]

Technician Training

Q.P Code: KA3280

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

I. LONG ESSAY

1X10=10 Marks

1. Anatomy and Physiology of Respiratory System. Draw a neat labeled diagram and explain.

II. SHORT ESSAY

3X5=15 Marks

2. List out the components of cell. Add note on their function.
3. Normal anatomical and physiological changes in old age.
4. Write a note on sudden infant death syndrome.

III. SHORT ANSWERS

5X3=15 Marks

5. Draw a neat labeled diagram of Tracheobronchial Tree.
6. Enumerate Heart sounds and its significance.
7. Define fractures and its type with a neat labeled diagrams.
8. Write the difference between Hypoglycemia and Hyperglycemia.
9. Enumerate different oxygen delivering devices and explain it.

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B.Sc. Emergency Medicine Technology

Time : 2.30 Hrs.

[Max. Marks: 80]

Clinical Procedures in Emergency Care

Q.P Code: KA3290

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

I. LONG ESSAY

2 X 10 = 20 Marks

1. List out and draw a neat labeled diagram of different types of oxygen delivery Devices. List out advantages and disadvantages of it.
2. Write a note on Basic Airway Management in ER.

II. SHORT ESSAY

6 X 5 = 30 Marks

3. Write a note on Airway Adjuncts in pre hospital airway management.
4. Foley's Catheter – uses, indications, contraindications, sizes, insertion procedure.
5. Write a note on Cardioversion.
6. Laryngeal Mask Airway.
7. Write a note on CPAP and BiPAP.
8. Explain Gastric Lavage.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. Write a note on Positioning in RSI.
10. List out confirmative methods for endotracheal intubation.
11. Write down the measures carried away in difficult ET intubation.
12. How to measure OPA and write down insertion its insertion techniques.
13. Write a note on insertion of Nasopharyngeal airway.
14. List out complications of ventilator.
15. ACLS ROSC algorithm.
16. List out precautions to be taken to administer blood.
17. Steps of antibiotic drug administration.
18. Write the contraindications of NG tube insertion.

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