



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

March 2025 Examination

B.Sc. Emergency Medicine Technology

Time: 2.30 Hrs.

[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. Describe History Taking in Emergency Room. Explain briefly SAMPLE History.
2. Enumerate Cervical Spine Immobilization Techniques in ER and write note on it.

SHORT ESSAY

6 X 5 = 30 Marks

3. Write a note on Scene Safety in Emergency situation.
4. Write a note on Biomedical Waste Management.
5. Vital sign monitoring in Emergency Room.
6. Describe the process of insertion of I.V. Canula.
7. Write short note on Removal of Helmet in Trauma Patient.
8. Write a note on Post Exposure Prophylaxis in Needle Stick Injury.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Write a note on 5-point Chest Auscultation with neat labelled diagram.
10. Expand OPQRST and write note on it.
11. Describe Endemic, Epidemic and Pandemic with examples.
12. What is CRT and its normal range.
13. Write a note on Recovery Position and its advantage.
14. Write a note on Dental formula of adults and paediatrics.
15. Describe RR, TV and Minute Ventilation. Write normal values.
16. Define Polyuria, Dysuria, Oliguria, and Anuria.
17. Write a note on Clubbing with neat labelled diagram.
18. Write a stepwise approach how to read an ECG.

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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.

LONG ESSAY

2 X 10 = 20 Marks

1. Write a note on BLS Adult Cardiac Arrest Algorithm. Write a note on High Quality CPR.
2. Hyponatremia – causes, types, clinical manifestations, diagnosis, treatment.

SHORT ESSAY

6 X 5 = 30 Marks

3. Write a note on Jaundice.
4. Hypertension-causes, stages, management.
5. Write a note on Upper GI Bleeding.
6. Metabolic Acidosis
7. ACLS ROSC Algorithm
8. Classify and Explain about IV fluids.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Hemlich's maneuver
10. Write down the normal values of CBC.
11. Write a note on Hypothermia and Hyperthermia.
12. List out the scenarios where inj. Adrenaline used and its doses.
13. Sinus Rhythm
14. Composition of Normal Saline and its uses.
15. TRIAGE
16. Loading medications & its dose used in MI patient.
17. Write a note on Rhinitis.
18. ABG normal values.

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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.

LONG ESSAY

1X10=10 Marks

1. Write a note on Vital Sign monitoring

SHORT ESSAY

3X5=15 Marks

2. Write a note on lifting of patient in EMD.
3. Write a note on Epilepsy.
4. Structure of Heart.

SHORT ANSWERS

5X3=15 Marks

5. Draw a neat labeled diagram of lungs.
6. Enumerate Heart sounds and its significance.
7. Define fractures and its type with a neat labeled diagrams.
8. Write a note on Hypoglycemia and Hyperglycemia.
9. Classify IV fluids and a note on it with examples.

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CLINICAL PROCEDURES IN EMERGENCY CARE

Q.P Code: KA3290

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Write a note on Basic Airway Management.
2. Write a note on Mechanical ventilation. Describe modes of ventilator.

SHORT ESSAY

6 X 5 = 30 Marks

3. Write a note on EtCo₂ Monitoring in ER.
4. Explain about Nebulizer.
5. Write a note on Defibrillator.
6. Foley's Catheter – uses, indications, contraindications, sizes, insertion procedure.
7. BiPAP
8. Write a note on VAP.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Write a note on Preparation in RSII.
10. Premedication in Endotracheal Intubation.
11. Explain Supine Hypotension Syndrome.
12. Explain about Meter Dose Inhaler.
13. How to measure correct size of Nasopharyngeal Airway and draw a labeled diagram of NPA
14. Write a note on Activated Charcoal.
15. Laryngeal Mask Airway.
16. Explain Extubation procedure.
17. Write a note on Cuff pressuring monitor.
18. List out Shockable Rhythms and draw it.
