

[LJ 0816]

AUGUST 2016

Sub. Code: 1018

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2014-2015)

SECOND YEAR

PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE

Q.P. Code: 801018

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define shock and types of shock and how will you grade hypovolemic shock and its management?
2. Concept of triage and how will you plan to resuscitate mass casualty situations?
3. Hospital acquired infections and preventive methods.

II. Write notes on:

(8 x 5 = 40)

1. Advanced Trauma Life support.
2. Precautions during transporting injured persons.
3. Glasgow Coma score.
4. Precautions during cardio pulmonary resuscitation.
5. What are the different modes of disease transmission?
6. Colour coding in hospital waste disposal.
7. Importance in prevention of respiratory infection.
8. Types and methods of sterilization.

III. Short answers on:

(10 x 3 = 30)

1. Man made disasters.
2. Name International organisations and agencies in emergency care.
3. TRIAGE – Concept.
4. Revised trauma score.
5. Manual in line stabilization.
6. Indicators of sterilization.
7. Autoclave methods.
8. Disinfection – Definition and agents used for?
9. Special resuscitation situations life drowning and pregnancy.
10. AMBU bag – Abbreviation and its uses.

[LK 0217]

FEBRUARY 2017

Sub. Code: 1018

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2014-2015)

SECOND YEAR

PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE

Q.P. Code: 801018

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Advanced Trauma Life Support.
2. Types and Methods of sterilization.
3. Causes and types of disaster.

II. Write notes on: **(8 x 5 = 40)**

1. Hospital acquired infections.
2. Hypovolemic shock.
3. Basic mechanism behind injury pattern.
4. Paediatric life support protocols.
5. Safety precautions during CPR.
6. Equipment arrangements during general emergencies.
7. Post traumatic stress disorder.
8. Types of disasters.

III. Short answers on: **(10 x 3 = 30)**

1. Name the organisations and international agencies in emergency care.
2. Primary survey and secondary survey in emergency care.
3. Basic life support in paediatric foreign body aspiration.
4. Shock definition and types.
5. Prevention of communicable disease.
6. Name equipments used in emergency care.
7. Triple menuover and its importance.
8. Colour coding in hospital waste disposal.
9. AIDS and Emergency care. What are the precautions?
10. Disinfection - Definition and agents used for.

[LL 0817]

AUGUST 2017

Sub. Code: 1018

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2014-2015)

SECOND YEAR

PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE

Q.P. Code: 801018

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Latest recommendations in Advanced Cardiac Life Support.
2. Principles of prevention and control of communicable disease.
3. Techniques and methods of lifting and transporting of injured victims.

II. Write notes on:

(8 x 5 = 40)

1. Methods of hospital waste disposal.
2. Glasgow Coma Score.
3. What is meant by primary survey? Explain.
4. Latest recommendations in Basic Life Support.
5. Legal aspects of disaster.
6. What is your institutional policy on disaster management?
7. TRIAGE concept.
8. Sterilization techniques.

III. Short answers on:

(10 x 3 = 30)

1. Types of disaster.
2. Post traumatic stress disorder.
3. Basic Life Support on pregnant patients. What are the changes?
4. How will grade and manage hypovolemic shock?
5. Revised trauma score.
6. Sterilization techniques.
7. Precautions during resuscitation.
8. Physical rehabilitation after trauma.
9. Disinfection – Definition and agents used for.
10. Paediatric life support.

[LM 0218]

FEBRUARY 2018

Sub. Code: 1018

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2014-2015)

SECOND YEAR

PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE

Q.P. Code: 801018

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Primary survey in Trauma.
2. Different types of shock and management of Haemorrhagic shock.
3. Define Disaster. Write in detail about disaster preparedness, Team, Equipments and triage colour coding.

II. Write notes on:

(8 x 5 = 40)

1. Adult Basic Life Support.
2. Secondary survey in Trauma special resuscitation situation.
3. Lifting and transporting of injured persons.
4. Disposal of hospital wastes.
5. Glasgow coma scale.
6. Revised trauma score and its uses in triage.
7. FAST scan in polytrauma.
8. DIB adult and infant CPR.

III. Short answers on:

(10 x 3 = 30)

1. AMBU Bag abbreviation and its uses.
2. Types and methods of sterilization.
3. Mallampatti classification of airway.
4. Mention various artificial airways used.
5. Drugs used in cardiac arrest.
6. DIB mars casualty and multiple casualty.
7. AED.
8. Various colour coding and IV cannulas with their sizes.
9. High quality CPR.
10. Draw a normal ECG and name some changes in ACS.

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SECOND YEAR

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EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE

Q.P. Code: 801018

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Hospital Acquired infections and preventive methods.
2. Causes, types and management of Disaster.
3. Detail about Paediatric Life Support. Mention the differences between Adult and Paediatric Life support techniques.

II. Write notes on:

(8 x 5 = 40)

1. Disaster Preparedness.
2. Modes of transmission of diseases.
3. Lifting and transporting of injured victims.
4. Role and Coordination of different members in Triage situation.
5. Precautions during CPR.
6. Sterilization techniques.
7. What is Primary and Secondary Survey?
8. Reassessment after Trauma care.

III. Short answers on:

(10 x 3 = 30)

1. Importance of community medicine.
2. Manual in Line stabilization.
3. Autoclave methods.
4. Special resuscitation situation – drowning and poisoning.
5. What is an emergency management for Diarrhoea?
6. Revised Trauma Score?
7. Manmade disaster.
8. AMBU bag – Abbreviation and its uses.
9. Name the International organisations and agencies in emergency care.
10. Define shock. Mention its types.

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2014-2015)**

SECOND YEAR

**PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE**

Q.P. Code: 801018

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Methods of disposal of hospital waste and its colour coding?
2. Advanced Cardiac Life Support – indications and latest recommendations.
3. Concept of triage and role of triage person.

II. Write notes on: **(8 x 5 = 40)**

1. Hypovolemic shock.
2. Basic mechanism behind injury pattern.
3. Paediatric life support protocols.
4. Precautions during cardio pulmonary resuscitation.
5. What are the different modes of disease transmission?
6. Importance in prevention of respiratory infection.
7. Involvement of different departments in disaster management.
8. Primary and secondary survey of trauma care.

III. Short answers on: **(10 x 3 = 30)**

1. Mention the guidelines of disaster preparedness.
2. Glasgow coma scale.
3. Principles of disaster nursing.
4. BLS.
5. Autoclave method of sterilization.
6. Triage – concept.
7. AMBU bag – Abbreviation and its uses.
8. What is shock? Mention its types.
9. Physical rehabilitation after trauma.
10. Mention techniques of transporting injured persons.

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2014-2015)**

SECOND YEAR

**PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE**

Q.P. Code: 801018

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Principles of prevention and control of communicable disease.
2. Define shock and types of shock and how will you grade hypovolemic shock and its management?
3. Physical, psychosocial, Financial and Relocation aspects of Rehabilitation after disaster.

II. Write notes on:

(8 x 5 = 40)

1. Principles of Emergency management.
2. Types and methods of sterilization.
3. Name some of the Governmental and voluntary health agencies involved in the disaster management.
4. Primary and secondary survey in trauma care.
5. Importance of community medicine.
6. Concept and scope of emergency care.
7. Legal aspects of disaster.
8. Hospital acquired infections.

III. Short answers on:

(10 x 3 = 30)

1. Basic life support in paediatric foreign body aspiration.
2. Name equipments used in emergency care.
3. Post Traumatic Stress Disorder.
4. Triple maneuver and its importance.
5. Reassessment in trauma care.
6. What are disinfectants?
7. Name some of the respiratory infections?
8. Colour coding in hospital waste disposal.
9. Types of disaster.
10. Mallampatti classification of airway.

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2014-2015)**

SECOND YEAR

**PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE**

Q.P. Code: 801018

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Laryngoscopic orotracheal intubation
 - (a) Equipment
 - (b) Immediate confirmation of ET tube
 - (c) Procedure
 - (d) Anchoring the tube
2. Define Disaster. Write in detail about disaster preparedness, team, equipments and triage colour coding.
3. Explain about special resuscitation situations and advanced cardiac life support.

II. Write notes on:

(8 x 5 = 40)

1. Glasgow coma score.
2. Safety during CPR.
3. Lifting and transporting of injured persons.
4. Disposal of hospital wastes.
5. AIDS.
6. Pediatric Basic Life support.
7. Principles of body mechanics.
8. Modes of transmission of diseases.

III. Short answers on:

(10 x 3 = 30)

1. Revised trauma score.
2. Importance of community medicine.
3. Triple manouver and its importance.
4. Disinfection - definition and name of the agents used.
5. APGAR score and it's complications.
6. AED.
7. What is primary survey?
8. Define SOFA score.
9. Causes of disaster.
10. What is sterilization? Mention its types?

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 1018

(AUGUST 2020 EXAM SESSION)

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

SECOND YEAR (From 2014-2015 onwards)

PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL

EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,

LIFE SUPPORT, TRAUMA CARE

Q.P. Code : 801018

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Shock
 - (a) Define shock
 - (b) Clinical sign of shock
 - (c) Types of shock
 - (d) Write treatment modality for different types of shock
2. Biomedical waste management
 - (a) Define BMW
 - (b) Types of BMW
 - (c) Color coding for BMW
 - (d) Universal precautions
3. Sterilization
 - (a) Definition
 - (b) Methods of sterilization

II. Write notes on:

(8 x 5 = 40)

1. Describe on pulmonary TB.
2. Write in details about safety during CPR training.
3. Difference between cardio version and defibrillation.
4. Equipment, supplies and protocols for Disaster management.
5. AIDS.
6. Mode of transmission for communicable disease.
7. Types of Heart Blocks.
8. Sexually Transmitted Infections.

III. Short answers on:

(10 x 3 = 30)

1. Expand AED.
2. Define Brain Death.
3. ECG changes in hyperkalemia.
4. Abbreviation of FAST HUG.
5. Types of intubation.
6. Define disaster preparedness.
7. Define bradycardia.
8. Define euthanasia.
9. Difference between STEMI and NON STEMI.
10. Define unconsciousness.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0222]

**FEBRUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 1018

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR (From 2014-2015 onwards)
PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE
*Q.P. Code : 801018***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Advanced Cardiac Life Support.
2. Hospital Acquired infections and preventive methods.
3. Techniques and methods of lifting and transporting of injured victims.

II. Write notes on:

(8 x 5 = 40)

1. Primary and secondary survey of trauma care.
2. Triple maneuver and its importance.
3. How will grade and manage hypovolemic shock.
4. Glasgow coma scale.
5. Methods of hospital waste disposal.
6. Basic mechanism behind injury pattern.
7. Concept and scope emergency care.
8. Principles of body mechanics.

III. Short answers on:

(10 x 3 = 30)

1. Importance of community medicine.
2. Pediatric Basic Life support.
3. Drugs used in cardiac arrest.
4. Revised trauma score.
5. Mention the guidelines of disaster preparedness.
6. AMBU-Bag.
7. Log Roll Technique.
8. ECG changes in hyperkalemia.
9. What is Disinfectant.
10. Autoclave method of Sterilization.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1018

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR (Regulation from 2014-2015)
PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE
*Q.P. Code : 801018***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Laryngoscopic orotracheal intubation
 - (a) Equipment
 - (b) Immediate confirmation of ET tube
 - (c) Procedure
 - (d) Anchoring the tube.
2. Disaster management
 - (a) Principles of disaster management.
 - (b) Causes and types of disaster management.
3. Pediatric Basic Life Support
 - (a) Pediatric Cardiac arrest Algorithm.
 - (b) What are the difference in AED uses among infant and children's?

II. Write notes on:

(8 x 5 = 40)

1. Describe in detail about Triage.
2. Primary and Secondary survey.
3. Criteria for Referral of trauma centre.
4. Principles of emergency management.
5. Legal aspects of Disaster.
6. Post Traumatic Stress Disorders.
7. Principles of kinetic energy mechanism.
8. Write about lifting and transporting of injured persons.

III. Short answers on:

(10 x 3 = 30)

1. Mallampatti classification of airway.
2. Adult GCS.
3. APGAR score and it's significance.
4. Hypovolemic shock.
5. AMBU bag- Abbreviation and its uses.
6. Revised trauma score.
7. Splinting Immobilization.
8. AIDS and emergency care, what are the precautions?
9. BLS in pediatric foreign body aspiration.
10. Hospital Waste disposal.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 1018

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR (Regulations 2010-2011, 2014-2015 & 2018-2019 onwards)
PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE
*Q.P. Code: 801018***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Disaster. Write in detail about Disaster Preparedness, Team, Equipments and Triage Colour coding.
2. Explain in detail about Rehabilitation.
3. Concept, Priorities, Principles and Scope of Emergency Care.

II. Write notes on:

(8 x 5 = 40)

1. Pediatric Basic Life Support.
2. NGO role in Disaster Management.
3. Primary Survey.
4. Post Traumatic Stress Disorder.
5. Safety during CPR training and actual rescue.
6. Colour coding in Hospital Waste Disposal.
7. Splints and Immobilization.
8. Glasgow Coma Scale.

III. Short answers on:

(10 x 3 = 30)

1. Types of Shock.
2. Name International Organizations and Agencies in Emergency Care.
3. TRIAGE – Concept.
4. Revised Trauma Score.
5. Manmade Disaster.
6. Define Sterilization.
7. Autoclave methods.
8. Disinfection.
9. Special Resuscitation situations Life Drowning.
10. Legal aspects of Disaster.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1018

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR (Regulations 2010-2011, 2014-2015 & 2018-2019 onwards)**

**PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE**

Q.P. Code: 801018

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Advanced Cardiac Life Support.
 - a) Define Advanced Cardiac Life Support.
 - b) What are all the steps in Advanced Cardiac Life Support?
2. Write in detail Post Traumatic Stress Disorder (PTSD).
 - a) Types of PTSD
 - b) Treatment modalities in PTSD.
3. Disaster
 - a) Disaster cycle
 - b) Government and Non-Government role in Disaster Management.

II. Write notes on:

(8 x 5 = 40)

1. Shock-Types and Categories.
2. Types of Disinfection.
3. Primary and Secondary Survey in Trauma Care.
4. Principles of Emergency Management.
5. Define Triage and what are all the role for triage person?
6. Algorithm for Tachycardia.
7. Lifting and Transporting of Injured patients.
8. Post Cardiac Arrest Care.

III. Short answers on:

(10 x 3 = 30)

1. Splints and Immobilization.
2. Pediatric BLS.
3. List out the four management for Dyspnea.
4. Difference between Angina Pectoris and Myocardial Infraction.
5. Revised Trauma Score.
6. AMBU BAG-Abbreviation and its uses.
7. Types of Natural Disaster.
8. Write in detail about four aspects of Medico Legal Issues in Organ Donation.
9. Define Tracheostomy.
10. Hospital Waste Disposal.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0424]

APRIL 2024

Sub. Code: 1018

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR (Regulations 2010-2011, 2014-2015 & 2018-2019 onwards)
PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE
Q.P. Code: 801018

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe the Organization of Emergency services: physical setup, staffing, equipments and protocols.
2. Explain in detail about causes and types of Disaster.
3. Methods of Hospital Waste disposal and its colour coding.

II. Write notes on:

(8 x 5 = 40)

1. Legal aspects of disaster.
2. Types and categories of Shock.
3. Primary survey.
4. Guidelines and protocols of disaster preparedness.
5. Lifting and transportation of injured person.
6. Safety during CPR training and actual rescue.
7. Principles of Emergency management
8. Types of Rehabilitation.

III. Short answers on:

(10 x 3 = 30)

1. Importance of Community Medicine.
2. Enlist the three role of Triage person.
3. Write the revised trauma score.
4. Name any three equipments used in emergency care.
5. List down some of the Respiratory infections.
6. Enlist any three principles of disaster nursing.
7. State the resuscitation technique in drowning and poisoning.
8. Mention the team members in disaster preparedness.
9. Specify the concepts of triage.
10. Enlist any three modes of transmission of diseases.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1125]

NOVEMBER 2025

Sub. Code: 1018

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR (Regulations 2010-2011, 2014-2015 & 2018-2019 onwards)
PAPER III – EMERGENCY MEDICINE (EM) & EMS-II PRACTICAL
EXAM ON PATIENT EXAMINATION, NURSING, TRIAGE,
LIFE SUPPORT, TRAUMA CARE
*Q.P. Code: 801018***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe in detail the Basic Life Support.
2. List the life threatening injuries in trauma and its management.
3. Principles of prevention and control of communicable disease.

II. Write notes on:

(8 x 5 = 40)

1. Safety during CPR.
2. Analysis of ABG and interpretation.
3. Standard protocols used in emergency.
4. Cardiogenic shock and its management.
5. Describe the impact on health after a disaster.
6. Defibrillation.
7. Legal aspects of disaster management.
8. Assessment and diagnosis of trauma.

III. Short answers on:

(10 x 3 = 30)

1. Define Hypotonic, isotonic and hypertonic solutions.
2. List three causes for anaphylactic shock.
3. Placement of ECG leads.
4. Physical and psychosocial effects after a disaster.
5. Mention the principles of the Emergency department.
6. What is the logrolling maneuver?
7. List the types of Airways.
8. Low flow oxygen delivery devices.
9. Mention the types of ET tubes.
10. List the drugs used during intubation.
