

Qualification Pack



Pre-Hospital Trauma Assistant

QP Code: HSS/Q2305

Version: 1.0

NSQF Level: 4

Healthcare Sector Skill Council || 520, DLF Tower A, 5th Floor, Jasola District Centre
New Delhi - 110025

Qualification Pack

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HSS/Q2305: Pre-Hospital Trauma Assistant

Brief Job Description

Individuals at this job will be providing requisite care to trauma victims at the site of injury and during transportation to the nearest trauma care facility or health center within the Golden Hour.

Personal Attributes

The job requires individuals to have good communication and time management skills along with the ability to work in a multidisciplinary team environment. The individuals should possess key qualities such as confidence, maturity, compassion, patient centricity and active listening. They should exhibit good coordination skills, ethical behavior and empathize with patients. The person should be physically strong and possess driving skills.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [HSS/N2348: Orientation to Community Medicine, Human Anatomy, Physiology, Pharmacology, Microbiology and Forensic Medicine in the context of pre-hospital trauma care](#)
2. [HSS/N2349: Orientation to Orthopedics, Neuro-Surgery and Burn & Plastic Surgery in the context of pre-hospital trauma care](#)
3. [HSS/N2350: Orientation to Anaesthesia, Surgery and Obstetrics & Gynecology in the context of pre-hospital trauma care](#)
4. [DGT/VSQ/N0102: Employability Skills \(60 Hours\)](#)

Qualification Pack (QP) Parameters

Sector	Healthcare
Sub-Sector	Allied Health & Paramedics
Occupation	Emergency Services
Country	India
NSQF Level	4
Credits	50

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Aligned to NCO/ISCO/ISIC Code	NCO-2015/5329.0101
Minimum Educational Qualification & Experience	12th Class OR Completed 2nd year of the 3-year diploma after 10 OR 10th grade pass with 2 year NTC plus 1 year NAC OR Certificate-NSQF (Dresser (Medical)) with 2-3 Years of experience relevant experience in healthcare setting OR Certificate-NSQF (Emergency Care Assistant or Emergency Medical Technician-Basic or CSSD Assistant or Telehealth Services Coordinator)
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	NA
Next Review Date	03/05/2028
NSQC Approval Date	03/05/2023
Version	1.0
Reference code on NQR	QG-04-HE-00409-2023-V1-HSSC
NQR Version	1.0

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HSS/N2348: Orientation to Community Medicine, Human Anatomy, Physiology, Pharmacology, Microbiology and Forensic Medicine in the context of pre-hospital trauma care

Description

This NOS is to orient the individuals towards Community Medicine, Human Anatomy, Physiology, Pharmacology, Microbiology and Forensic Medicine in the context of pre-hospital trauma care

Scope

The scope covers the following :

- Community Medicine
- Human Anatomy
- Physiology
- Pharmacology
- Microbiology
- Forensic Medicine

Elements and Performance Criteria

Community Medicine

To be competent, the user/individual on the job must be able to:

- PC1.** Express the epidemiology of trauma
- PC2.** Describe the overview of Trauma Care Systems in our country
- PC3.** Ensure well-being of trauma care team
- PC4.** Ensure protection of victims and bystanders in an emergency scene
- PC5.** Ensure personal safety at all times
- PC6.** Manage any kind of violence or civil disturbances at the scene
- PC7.** Manage mass casualty incident

Human Anatomy

To be competent, the user/individual on the job must be able to:

- PC8.** Acquire basic knowledge of the structure of human body in the context of pre-hospital trauma care
- PC9.** Implement the knowledge of anatomy in common emergency conditions

Physiology

To be competent, the user/individual on the job must be able to:

- PC10.** Acquire basic knowledge about various physiological functions of individual systems in the human body
- PC11.** Demonstrate Hemoglobin estimation and peripheral smear

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- PC12.** • Conduct examination and observation of the following aspects:
- General appearance, mental and emotional status
 - Physique, built and nutritional status
 - Facial expression and speech
 - Eyes, skin, feet, neck
 - Lymph nodes, pallor, icterus, edema, cynosis, nails, hair etc.
 - Pupillary examination including reflexes
- PC13.** Conduct clinical examination of the respiratory system: Inspection, palpation, percussion and auscultation of the respiratory system
- PC14.** Conduct clinical examination of the cardiovascular system: Pulse, BP, Precordium
- PC15.** Record body temperature
- PC16.** Conduct sensory system examination and motor system examination

Pharmacology

To be competent, the user/individual on the job must be able to:

- PC17.** Acquire basic information about the drugs (including their adverse effects), relevant to trauma care that may be used while transporting the patient from the accident site to the healthcare facility / trauma care facility
- PC18.** Demonstrate usage of various emergency drugs
- PC19.** Demonstrate usage of various types of IV fluids
- PC20.** Demonstrate preparation of the IV drip

Microbiology

To be competent, the user/individual on the job must be able to:

- PC21.** Demonstrate various sterilization and disinfection techniques of ambulance and hospital equipment and procedures
- PC22.** Demonstrate donning, doffing and discarding of personal protective equipment (PPE)
- PC23.** Demonstrate sample collection techniques in correct containers
- PC24.** Follow infection control guidelines and biomedical waste management procedures
- PC25.** Apply information on infectious diseases, various sterilization techniques, concept of wound infections, biomedical waste and occupational exposures in the pre-hospital trauma care

Forensic Medicine

To be competent, the user/individual on the job must be able to:

- PC26.** Keep oneself updated with the legal and ethical issues concerning professional practice and aspects on notifications and documentation related to Pre-hospital Trauma care
- PC27.** Demonstrate documentation of report, recording of findings using MLC case records, Post-mortem reports, Age reports
- PC28.** Demonstrate care of various types of injuries using various museum specimens and weapons
- PC29.** Identify medico-legal aspects of injuries
- PC30.** Demonstrate practical medico-legal aspects of asphyxia cases like preservation of knot of ligature material etc.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

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- KU1.** Epidemiology of trauma
- KU2.** Causes of Trauma
- KU3.** Components of Trauma systems: Injury prevention, Pre-hospital care, Emergency department care, Inter facility Transportation, Trauma critical care
- KU4.** Well-being of Trauma Care team
- KU5.** Overview of the Capacity Building Programme for developing Trauma Care Facilities in Government Hospitals on National Highways
- KU6.** Overview of ambulances in India
- KU7.** Anatomical features of Skull & Mandible, Interior of Skull, Vertebral Column, Bones of Upper Limb, Bones of Lower Limb, Pelvis, Head & Neck, Temporo-mandibular region, Orbit, Thorax Bones, Lungs on specimen, Heart on specimen, Respiratory System, Heart & Great vessels, Anatomy of abdomen & location of organs, Liver & Spleen, Kidney, Ureter & Urinary Bladder, Brain, Spinal Cord & Meninges, Surface marking on the cadaver
- KU8.** Distribution and Composition of body fluids
- KU9.** Disturbances in body fluids and electrolytes
- KU10.** Blood: Composition, functions, formation, fate of RBC & Jaundice and Anemia, Hemostasis, Immunity and AIDS
- KU11.** Blood Groups: Types, their importance & Rh incompatibility
- KU12.** Circulatory System: Physiological Anatomy, Cardiac cycle, heart rate, heart sounds, ECG, Cardiac output, Venous return
- KU13.** Blood Pressure: Definition, Normal Value, Regulation of Blood Pressure
- KU14.** Shock: Definition & Different types
- KU15.** Respiratory System: Physiological anatomy, Mechanism of respiration, Composition of air and transport of gases, Regulation of respiration (neural and chemical)
- KU16.** Hypoxia and Airway obstructions
- KU17.** Functional organization of Central Nervous System and Spinal injuries
- KU18.** Names & anatomical location of different endocrine glands, hormones secreted by each gland and their functions
- KU19.** Temperature regulation: Core & Oral Normal body temperature, Heat Production & heat loss, Regulating Mechanism for role of Hypothalamus, Application in Fever, Hypothermia and heat stroke
- KU20.** Pain: Definition, Types (referred pain, slow pain, fast pain etc.), Pain Pathway
- KU21.** Pharmacokinetics, Pharmacodynamics, Adverse drug reactions of Anticholinergic drugs, Vasopressor agents, Inotropic agents, Vasodilators, Drugs used in emergency treatment of Angina & MI, Antiarrhythmics, Intravenous fluids (Crystalloids, Colloids), Local & Intravenous anaesthetics, Skeletal muscle relaxants, Sedative, Anxiolytic, Analgesics, Drugs used in treatment of shock, bronchial asthma and post-partum haemorrhage
- KU22.** infectious diseases, various sterilization techniques, concept of wound infections, biomedical waste management and occupational exposures
- KU23.** Professional practice and ethical issues concerning pre-hospital trauma assistants.
- KU24.** documentation of report, recording of findings using MLC case records, Post-mortem reports, Age reports
- KU25.** Issues related to identification
- KU26.** Medico-legal issues in trauma

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KU27. Medico-legal issues in Asphyxia

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. manage trauma victims with motivational skills

GS2. handle field situations and management issues

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Community Medicine</i>	25	10	-	10
PC1. Express the epidemiology of trauma	-	-	-	-
PC2. Describe the overview of Trauma Care Systems in our country	-	-	-	-
PC3. Ensure well-being of trauma care team	-	-	-	-
PC4. Ensure protection of victims and bystanders in an emergency scene	-	-	-	-
PC5. Ensure personal safety at all times	-	-	-	-
PC6. Manage any kind of violence or civil disturbances at the scene	-	-	-	-
PC7. Manage mass casualty incident	-	-	-	-
<i>Human Anatomy</i>	20	5	-	10
PC8. Acquire basic knowledge of the structure of human body in the context of pre-hospital trauma care	-	-	-	-
PC9. Implement the knowledge of anatomy in common emergency conditions	-	-	-	-
<i>Physiology</i>	20	5	-	10
PC10. Acquire basic knowledge about various physiological functions of individual systems in the human body	-	-	-	-
PC11. Demonstrate Hemoglobin estimation and peripheral smear	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. • Conduct examination and observation of the following aspects: • • General appearance, mental and emotional status • • Physique, built and nutritional status • • Facial expression and speech • • Eyes, skin, feet, neck • • Lymph nodes, pallor, icterus, edema, cynosis, nails, hair etc. • • Pupillary examination including reflexes	-	-	-	-
PC13. Conduct clinical examination of the respiratory system: Inspection, palpation, percussion and auscultation of the respiratory system	-	-	-	-
PC14. Conduct clinical examination of the cardiovascular system: Pulse, BP, Precordium	-	-	-	-
PC15. Record body temperature	-	-	-	-
PC16. Conduct sensory system examination and motor system examination	-	-	-	-
<i>Pharmacology</i>	20	5	-	10
PC17. Acquire basic information about the drugs (including their adverse effects), relevant to trauma care that may be used while transporting the patient from the accident site to the healthcare facility / trauma care facility	-	-	-	-
PC18. Demonstrate usage of various emergency drugs	-	-	-	-
PC19. Demonstrate usage of various types of IV fluids	-	-	-	-
PC20. Demonstrate preparation of the IV drip	-	-	-	-
<i>Microbiology</i>	20	5	-	10
PC21. Demonstrate various sterilization and disinfection techniques of ambulance and hospital equipment and procedures	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC22. Demonstrate donning, doffing and discarding of personal protective equipment (PPE)	-	-	-	-
PC23. Demonstrate sample collection techniques in correct containers	-	-	-	-
PC24. Follow infection control guidelines and biomedical waste management procedures	-	-	-	-
PC25. Apply information on infectious diseases, various sterilization techniques, concept of wound infections, biomedical waste and occupational exposures in the pre-hospital trauma care	-	-	-	-
<i>Forensic Medicine</i>	25	20	-	10
PC26. Keep oneself updated with the legal and ethical issues concerning professional practice and aspects on notifications and documentation related to Pre-hospital Trauma care	-	-	-	-
PC27. Demonstrate documentation of report, recording of findings using MLC case records, Post-mortem reports, Age reports	-	-	-	-
PC28. Demonstrate care of various types of injuries using various museum specimens and weapons	-	-	-	-
PC29. Identify medico-legal aspects of injuries	-	-	-	-
PC30. Demonstrate practical medico-legal aspects of asphyxia cases like preservation of knot of ligature material etc.	-	-	-	-
NOS Total	130	50	-	60

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National Occupational Standards (NOS) Parameters

NOS Code	HSS/N2348
NOS Name	Orientation to Community Medicine, Human Anatomy, Physiology, Pharmacology, Microbiology and Forensic Medicine in the context of pre-hospital trauma care
Sector	Healthcare
Sub-Sector	Allied Health & Paramedics
Occupation	Emergency Services
NSQF Level	5
Credits	7.5
Version	1.0
Last Reviewed Date	NA
Next Review Date	03/05/2028
NSQC Clearance Date	03/05/2023

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HSS/N2349: Orientation to Orthopedics, Neuro-Surgery and Burn & Plastic Surgery in the context of pre-hospital trauma care

Description

This NOS is to orient individual towards Orthopedics, Neuro-Surgery and Burn & Plastic Surgery in the context of pre-hospital trauma care

Scope

The scope covers the following :

- Orthopedics
- Neuro-Surgery
- Burn & Plastic Surgery

Elements and Performance Criteria

Orthopedics

To be competent, the user/individual on the job must be able to:

- PC1.** Acquaint with the basic knowledge of orthopaedic trauma and its management
- PC2.** Acquire basic information on fractures, soft tissue injuries, amputations and their management during pre-hospital trauma care
- PC3.** Implement immobilization techniques, patient transfers, on and off field skills in the pre-hospital trauma care
- PC4.** Demonstrate dressing of various kinds of wounds, crepe bandaging, splinting, stitching, suturing, bed making, injection, traction, posture, shifting of spine patient and other, tourniquet application, techniques of reduction of fracture and dislocation
- PC5.** Control bleeding by use of pressure, limb elevation, haemostasis, artery forceps, knots etc.
- PC6.** Use spine board, stretcher, wheel chair, crutches, splints, etc. effectively and safely
- PC7.** Assist in setting up emergency orthopedics theatre (EOT), when required
- PC8.** Assist in common operative procedures: Dressings, fixates, k-wire fixation, sterilization methods, ortho implants and fixators

Neuro-Surgery

To be competent, the user/individual on the job must be able to:

- PC9.** Identify head and spinal injury and associated injuries
- PC10.** Perform practical demonstration of head bandages, position of patient, airway management
- PC11.** Perform various spinal stabilization techniques effectively and safely
- PC12.** Carry out examination and assessment of head injury and spinal injury patient
- PC13.** Apply techniques to minimize secondary brain and spinal damage
- PC14.** Recognize head trauma from stroke and other medical problems in an unconscious person found roadside
- PC15.** Assist in management of skull wounds, ENT bleed and CSF leak
- PC16.** Assist in management of penetrating injury and firearm injury of head and vertebral column

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PC17. Assist in management of head injury in children and elderly patients

PC18. Monitor a head injury patient during transfer continuously

PC19. Assist during emergency investigations in head and spinal injury

Burn & Plastic Surgery

To be competent, the user/individual on the job must be able to:

PC20. Carry out pre-hospital management protocols during the emergencies related to plastic surgery including Burns, Maxillofacial Injury and Soft tissue injury

PC21. Provide first aid care as per different burns & its degrees

PC22. Manage disaster or mass casualty incident

PC23. Establish the IV access during pre-hospital care

PC24. Apply splints & bandages effectively and safely

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Procedure, problems, Increasing rate of Injury, Social & Country Burden

KU2. Patho-physiology, mode, clinical features of complete or incomplete spinal Injury

KU3. Soft tissue injury (Muscle, tendon, skin), Spasm, Tear, laceration

KU4. definition, Clinical Features, Types of fracture and dislocation

KU5. Ligament Sprain/Strain, Dislocation & subluxation of joint

KU6. Clinical features, Diagnosis and Pre-hospital management of soft tissue injuries

KU7. General introduction, Type of lesion, Clinical features(Open injury, close Injury), Diagnosis and Treatment of vascular injury, nerve injury

KU8. management of Trauma Amputation:- (Arm/Forearm/Tibia/Thigh)

KU9. various etiologies, patho-physiology and management aspects for head injury patients in the pre-hospital trauma care

KU10. Raised intracranial pressure and spinal shock

KU11. Status epilepticus and its management

KU12. Emergency drugs used in head and spinal injury

KU13. Glasgow coma scale

KU14. Haemostasis, DIC and deep vein thrombosis

KU15. Do and don't in head and spinal injury

KU16. Indication for hospitalization and transfer to appropriate trauma centre and first aid

KU17. Emergency investigations in head and spinal injury

KU18. Causes, classification, clinical features of different burns & degrees

KU19. Prevention of burns

KU20. First Aid : Thermal Burn, Inhalational Burn, Chemical burn, Radiation Burns, First Aid in electrical Burns, Pediatric Burns, Geriatric Burns, soft tissue wounds, maxillofacial injury, Disaster management/Mass casualty (Diwali festivities)

KU21. General Principles in pre-hospital management

KU22. Splints & bandaging

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KU23. Assessment of the soft tissue wound

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** document call logs, reports, task lists, and schedules
- GS2.** write accurate, concise and to the point report with the provider institute physician
- GS3.** • read and correctly interpret about changes in legislations and organizational policies from
• reports and notifications
- GS4.** interact with the patient in simple, clear and unambiguous language
- GS5.** • make decisions pertaining to the scope of work and actions to be taken as per defined limits
• and competence
- GS6.** plan and organize activities that are assigned to him/her to achieve task in a timely manner

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Orthopedics</i>	40	50	50	20
PC1. Acquaint with the basic knowledge of orthopaedic trauma and its management	-	-	-	-
PC2. Acquire basic information on fractures, soft tissue injuries, amputations and their management during pre-hospital trauma care	-	-	-	-
PC3. Implement immobilization techniques, patient transfers, on and off field skills in the pre-hospital trauma care	-	-	-	-
PC4. Demonstrate dressing of various kinds of wounds, crepe bandaging, splinting, stitching, suturing, bed making, injection, traction, posture, shifting of spine patient and other, tourniquet application, techniques of reduction of fracture and dislocation	-	-	-	-
PC5. Control bleeding by use of pressure, limb elevation, haemostasis, artery forceps, knots etc.	-	-	-	-
PC6. Use spine board, stretcher, wheel chair, crutches, splints, etc. effectively and safely	-	-	-	-
PC7. Assist in setting up emergency orthopedics theatre (EOT), when required	-	-	-	-
PC8. Assist in common operative procedures: Dressings, fixates, k-wire fixation, sterilization methods, ortho implants and fixators	-	-	-	-
<i>Neuro-Surgery</i>	30	25	25	10
PC9. Identify head and spinal injury and associated injuries	-	-	-	-
PC10. Perform practical demonstration of head bandages, position of patient, airway management	-	-	-	-
PC11. Perform various spinal stabilization techniques effectively and safely	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. Carry out examination and assessment of head injury and spinal injury patient	-	-	-	-
PC13. Apply techniques to minimize secondary brain and spinal damage	-	-	-	-
PC14. Recognize head trauma from stroke and other medical problems in an unconscious person found roadside	-	-	-	-
PC15. Assist in management of skull wounds, ENT bleed and CSF leak	-	-	-	-
PC16. Assist in management of penetrating injury and firearm injury of head and vertebral column	-	-	-	-
PC17. Assist in management of head injury in children and elderly patients	-	-	-	-
PC18. Monitor a head injury patient during transfer continuously	-	-	-	-
PC19. Assist during emergency investigations in head and spinal injury	-	-	-	-
<i>Burn & Plastic Surgery</i>	30	35	25	10
PC20. Carry out pre-hospital management protocols during the emergencies related to plastic surgery including Burns, Maxillofacial Injury and Soft tissue injury	-	-	-	-
PC21. Provide first aid care as per different burns & its degrees	-	-	-	-
PC22. Manage disaster or mass casualty incident	-	-	-	-
PC23. Establish the IV access during pre-hospital care	-	-	-	-
PC24. Apply splints & bandages effectively and safely	-	-	-	-
NOS Total	100	110	100	40

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National Occupational Standards (NOS) Parameters

NOS Code	HSS/N2349
NOS Name	Orientation to Orthopedics, Neuro-Surgery and Burn & Plastic Surgery in the context of pre-hospital trauma care
Sector	Healthcare
Sub-Sector	Allied Health & Paramedics
Occupation	Emergency Services
NSQF Level	4
Credits	15
Version	1.0
Last Reviewed Date	NA
Next Review Date	03/05/2028
NSQC Clearance Date	03/05/2023

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HSS/N2350: Orientation to Anaesthesia, Surgery and Obstetrics & Gynecology in the context of pre-hospital trauma care

Description

This NOS is to orient individuals towards Anaesthesia, Surgery and Obstetrics & Gynecology in the context of pre-hospital trauma care

Scope

The scope covers the following :

- Anaesthesia
- Surgery
- Obstetrics & Gynecology

Elements and Performance Criteria

Anaesthesia

To be competent, the user/individual on the job must be able to:

- PC1.** Demonstrate cardio-pulmonary resuscitation (CPR)
- PC2.** Take 12 lead ECG strip and differentiate between normal ECG & common ECG abnormalities
- PC3.** Demonstrate steps to use thermometer, stethoscope, BP instrument, oro- pharyngeal airway, Face-mask, LMA, Endotracheal tube, laryngoscope, Suction machine, suction catheter, ECG, NIBP, capnography, pulse oxymeter, Medical gas cylinder, syringe and infusion pumps, nebulizer, humidifier, chest tube, Urinary catheter
- PC4.** Demonstrate preparation, initiation, care and fixation of IV line
- PC5.** Maintain airway using triple airway manoeuvre and CPR
- PC6.** Set up the vital sign monitor on the patient
- PC7.** Assist during cases of hypothermia, hyperthermia, drowning and shock
- PC8.** Assist in managing trauma victim by oxygen therapy, IV fluids, blood transfusion

Surgery

To be competent, the user/individual on the job must be able to:

- PC9.** Carry out first aid measures to be taken for various types of trauma during pre-hospital trauma care
- PC10.** Carry out the patient assessment, examination and recording of patient details
- PC11.** Assist in management of hemorrhage, shock, chest, abdominal and pelvic injuries in pre-hospital trauma settings
- PC12.** Perform patient triage
- PC13.** Assist in use of common surgical instruments while pre-hospital trauma management
- PC14.** Establish airway management, Control of external bleeding and initial management of shock during golden hour

Obstetrics & Gynaecology

To be competent, the user/individual on the job must be able to:

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- PC15.** Assist in examination of non-pregnant and pregnant woman
- PC16.** Demonstrate use of labor kit
- PC17.** Observe & assist in normal delivery
- PC18.** Demonstrate the ability to perform a comprehensive assessment on Obstetric patients
- PC19.** Observe & assist during Gynae Emergency: Abortions, Obstetrical Emergencies, Genital Tract Trauma, Sexual Assault cases, Obstetrical shock

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Normal ECG rhythms
- KU2.** Abnormal ECG: Sinus bradycardia, Sinus tachycardia, Pulseless ventricular tachycardia, Ventricular fibrillation, Asystole, Pulseless electrical activity
- KU3.** Different types of shock especially hypo-volemic shock
- KU4.** BLS: adult, paediatric, neonatal
- KU5.** Post Resuscitation support: Electrical therapies, Defibrillation, Cardioversion, Pacing
- KU6.** CPR including techniques and devices
- KU7.** Blood transfusion and complication
- KU8.** Uses of Thermometer, stethoscope, BP instrument, oro- pharyngeal airway, Measurement of Blood Pressure, Face-mask, LMA, Endotracheal tube, laryngoscope, Suction machine, suction catheter, Transport & ICU ventilator, Monitor & defibrillator, ECG, NIBP, capnography, pulse oxymeter, Medical gas cylinder, syringe and infusion pumps, nebulizer, humidifier, chest tube, Urinary catheter
- KU9.** various types of trauma and first aid measures to be taken during pre-hospital trauma care
- KU10.** the concept of triage and the importance of Golden Hour
- KU11.** patient assessment, examination and recording of patient details
- KU12.** hemorrhage, shock, chest and abdominal injuries and their management aspects in pre-hospital trauma settings
- KU13.** Normal Labor and its stages
- KU14.** Neonatal Resuscitation
- KU15.** Bleeding during pregnancy
- KU16.** Management of delivered women
- KU17.** Genital Tract Trauma

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** manage trauma victims with motivational skills
- GS2.** handle field situations and management issues

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Anaesthesia</i>	40	50	50	20
PC1. Demonstrate cardio-pulmonary resuscitation (CPR)	-	-	-	-
PC2. Take 12 lead ECG strip and differentiate between normal ECG & common ECG abnormalities	-	-	-	-
PC3. Demonstrate steps to use thermometer, stethoscope, BP instrument, oro- pharyngeal airway, Face-mask, LMA, Endotracheal tube, laryngoscope, Suction machine, suction catheter, ECG, NIBP, capnography, pulse oxymeter, Medical gas cylinder, syringe and infusion pumps, nebulizer, humidifier, chest tube, Urinary catheter	-	-	-	-
PC4. Demonstrate preparation, initiation, care and fixation of IV line	-	-	-	-
PC5. Maintain airway using triple airway manoeuvre and CPR	-	-	-	-
PC6. Set up the vital sign monitor on the patient	-	-	-	-
PC7. Assist during cases of hypothermia, hyperthermia, drowning and shock	-	-	-	-
PC8. Assist in managing trauma victim by oxygen therapy, IV fluids, blood transfusion	-	-	-	-
<i>Surgery</i>	30	35	25	20
PC9. Carry out first aid measures to be taken for various types of trauma during pre-hospital trauma care	-	-	-	-
PC10. Carry out the patient assessment, examination and recording of patient details	-	-	-	-
PC11. Assist in management of hemorrhage, shock, chest, abdominal and pelvic injuries in pre-hospital trauma settings	-	-	-	-
PC12. Perform patient triage	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. Assist in use of common surgical instruments while pre-hospital trauma management	-	-	-	-
PC14. Establish airway management, Control of external bleeding and initial management of shock during golden hour	-	-	-	-
<i>Obstetrics & Gynaecology</i>	30	25	25	10
PC15. Assist in examination of non-pregnant and pregnant woman	-	-	-	-
PC16. Demonstrate use of labor kit	-	-	-	-
PC17. Observe & assist in normal delivery	-	-	-	-
PC18. Demonstrate the ability to perform a comprehensive assessment on Obstetric patients	-	-	-	-
PC19. Observe & assist during Gynae Emergency: Abortions, Obstetrical Emergencies, Genital Tract Trauma, Sexual Assault cases, Obstetrical shock	-	-	-	-
NOS Total	100	110	100	50

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National Occupational Standards (NOS) Parameters

NOS Code	HSS/N2350
NOS Name	Orientation to Anaesthesia, Surgery and Obstetrics & Gynecology in the context of pre-hospital trauma care
Sector	Healthcare
Sub-Sector	Allied Health & Paramedics
Occupation	Emergency Services
NSQF Level	4
Credits	25.5
Version	1.0
Last Reviewed Date	NA
Next Review Date	03/05/2028
NSQC Clearance Date	03/05/2023

Qualification Pack

DGT/VSQ/N0102: Employability Skills (60 Hours)

Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

Scope

The scope covers the following :

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Career Development & Goal Setting
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

Elements and Performance Criteria

Introduction to Employability Skills

To be competent, the user/individual on the job must be able to:

- PC1.** identify employability skills required for jobs in various industries
- PC2.** identify and explore learning and employability portals

Constitutional values - Citizenship

To be competent, the user/individual on the job must be able to:

- PC3.** recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.
- PC4.** follow environmentally sustainable practices

Becoming a Professional in the 21st Century

To be competent, the user/individual on the job must be able to:

- PC5.** recognize the significance of 21st Century Skills for employment
- PC6.** practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life

Basic English Skills

To be competent, the user/individual on the job must be able to:

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- PC7.** use basic English for everyday conversation in different contexts, in person and over the telephone
- PC8.** read and understand routine information, notes, instructions, mails, letters etc. written in English
- PC9.** write short messages, notes, letters, e-mails etc. in English

Career Development & Goal Setting

To be competent, the user/individual on the job must be able to:

- PC10.** understand the difference between job and career
- PC11.** prepare a career development plan with short- and long-term goals, based on aptitude

Communication Skills

To be competent, the user/individual on the job must be able to:

- PC12.** follow verbal and non-verbal communication etiquette and active listening techniques in various settings
- PC13.** work collaboratively with others in a team

Diversity & Inclusion

To be competent, the user/individual on the job must be able to:

- PC14.** communicate and behave appropriately with all genders and PwD
- PC15.** escalate any issues related to sexual harassment at workplace according to POSH Act

Financial and Legal Literacy

To be competent, the user/individual on the job must be able to:

- PC16.** select financial institutions, products and services as per requirement
- PC17.** carry out offline and online financial transactions, safely and securely
- PC18.** identify common components of salary and compute income, expenses, taxes, investments etc
- PC19.** identify relevant rights and laws and use legal aids to fight against legal exploitation

Essential Digital Skills

To be competent, the user/individual on the job must be able to:

- PC20.** operate digital devices and carry out basic internet operations securely and safely
- PC21.** use e- mail and social media platforms and virtual collaboration tools to work effectively
- PC22.** use basic features of word processor, spreadsheets, and presentations

Entrepreneurship

To be competent, the user/individual on the job must be able to:

- PC23.** identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research
- PC24.** develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion
- PC25.** identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity

Customer Service

To be competent, the user/individual on the job must be able to:

- PC26.** identify different types of customers
- PC27.** identify and respond to customer requests and needs in a professional manner.

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PC28. follow appropriate hygiene and grooming standards

Getting ready for apprenticeship & Jobs

To be competent, the user/individual on the job must be able to:

PC29. create a professional Curriculum vitae (Résumé)

PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively

PC31. apply to identified job openings using offline /online methods as per requirement

PC32. answer questions politely, with clarity and confidence, during recruitment and selection

PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. need for employability skills and different learning and employability related portals

KU2. various constitutional and personal values

KU3. different environmentally sustainable practices and their importance

KU4. Twenty first (21st) century skills and their importance

KU5. how to use English language for effective verbal (face to face and telephonic) and written communication in formal and informal set up

KU6. importance of career development and setting long- and short-term goals

KU7. about effective communication

KU8. POSH Act

KU9. Gender sensitivity and inclusivity

KU10. different types of financial institutes, products, and services

KU11. how to compute income and expenditure

KU12. importance of maintaining safety and security in offline and online financial transactions

KU13. different legal rights and laws

KU14. different types of digital devices and the procedure to operate them safely and securely

KU15. how to create and operate an e- mail account and use applications such as word processors, spreadsheets etc.

KU16. how to identify business opportunities

KU17. types and needs of customers

KU18. how to apply for a job and prepare for an interview

KU19. apprenticeship scheme and the process of registering on apprenticeship portal

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. read and write different types of documents/instructions/correspondence

GS2. communicate effectively using appropriate language in formal and informal settings

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- GS3.** behave politely and appropriately with all
- GS4.** how to work in a virtual mode
- GS5.** perform calculations efficiently
- GS6.** solve problems effectively
- GS7.** pay attention to details
- GS8.** manage time efficiently
- GS9.** maintain hygiene and sanitization to avoid infection

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. identify employability skills required for jobs in various industries	-	-	-	-
PC2. identify and explore learning and employability portals	-	-	-	-
<i>Constitutional values - Citizenship</i>	1	1	-	-
PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC4. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	2	4	-	-
PC5. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC6. practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC7. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC9. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development & Goal Setting</i>	1	2	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. understand the difference between job and career	-	-	-	-
PC11. prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
<i>Communication Skills</i>	2	2	-	-
PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	2	-	-
PC14. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC15. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-
PC16. select financial institutions, products and services as per requirement	-	-	-	-
PC17. carry out offline and online financial transactions, safely and securely	-	-	-	-
PC18. identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
<i>Essential Digital Skills</i>	3	4	-	-
PC20. operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
PC22. use basic features of word processor, spreadsheets, and presentations	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Entrepreneurship</i>	2	3	-	-
PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	1	2	-	-
PC26. identify different types of customers	-	-	-	-
PC27. identify and respond to customer requests and needs in a professional manner.	-	-	-	-
PC28. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
PC29. create a professional Curriculum vitae (Résumé)	-	-	-	-
PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC31. apply to identified job openings using offline /online methods as per requirement	-	-	-	-
PC32. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
NOS Total	20	30	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0102
NOS Name	Employability Skills (60 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	4
Credits	2
Version	1.0
Last Reviewed Date	NA
Next Review Date	03/05/2028
NSQC Clearance Date	03/05/2023

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Either each element/Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory, viva and Skills Practical for each element/PC.
2. The assessment for the theory part will be based on knowledge bank of questions approved by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate/batch at each examination/training center (as per assessment criteria below).
4. Individual assessment agencies will create unique evaluations for skill practical & viva for every student at each examination/ training center based on these criteria.
5. In case of successfully passing as per passing percentage of the job role, the trainee is certified for the Qualification Pack.
6. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Minimum Aggregate Passing % at QP Level : 70

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(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
HSS/N2348.Orientation to Community Medicine, Human Anatomy, Physiology, Pharmacology, Microbiology and Forensic Medicine in the context of pre-hospital trauma care	130	50	-	60	240	20
HSS/N2349.Orientation to Orthopedics, Neuro-Surgery and Burn & Plastic Surgery in the context of pre-hospital trauma care	100	110	100	40	350	35
HSS/N2350.Orientation to Anaesthesia, Surgery and Obstetrics & Gynecology in the context of pre-hospital trauma care	100	110	100	50	360	35
DGT/VSQ/N0102.Employability Skills (60 Hours)	20	30	-	-	50	10
Total	350	300	200	150	1000	100

Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training

Qualification Pack

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.

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Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.