

## APPRENTICESHIP CURRICULUM (OPTIONAL TRADE)

**Healthcare Sector Skill Council**

**Dresser (Medical)**

**Course Code: CO112200017**

NAPS Non-NAPS

**NSQF Level: 4**



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## Course Details

1.	<b>Course Name</b>	<b>Dresser (Medical)</b>														
2.	<b>Course Code</b>	CO112200017														
3.	<b>Apprenticeship Training Duration:</b> <i>(2 to 4 weeks of BT is embedded in this duration as per the requirement of the establishment)</i>	<b>Months: 12 months</b>														
	<b>Remarks</b>															
4.	<b>Credit</b>	<b>TBD</b>														
5.	<b>NSQF Level</b> <i>(Mandatory for NAPS)</i>	3	<b>NSQC Approval Date: 30/08/2021</b>													
6.	<b>Related NSQF aligned qualification details</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 40%;">QP/ Qualification/ NOS Name (As applicable)</th> <th style="width: 20%;">QP/ NOS Code &amp; Version</th> <th style="width: 30%;">NQR Code</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dresser (Medical)</td> <td>HSS/Q3004, V1.0</td> <td>2021/HCT/HSSC/04455</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			S. No.	QP/ Qualification/ NOS Name (As applicable)	QP/ NOS Code & Version	NQR Code	1	Dresser (Medical)	HSS/Q3004, V1.0	2021/HCT/HSSC/04455				
		S. No.	QP/ Qualification/ NOS Name (As applicable)	QP/ NOS Code & Version	NQR Code											
		1	Dresser (Medical)	HSS/Q3004, V1.0	2021/HCT/HSSC/04455											
7.	<b>Brief Job Role Description</b>	The individual performs dressing of patients and its related activities as instructed by healthcare professional. The person also maintains the set-up under supervision.														
8.	<b>NCO-2015 Code &amp; Occupation</b> <i>(Access the NCO 2015 volumes from: <a href="https://labour.gov.in/organizationsofmole/directorate-general-employment-training-dget">https://labour.gov.in/organizationsofmole/directorate-general-employment-training-dget</a> )</i>	NCO-2015/2240.0400, Curative Services														
9.	<b>Minimum Eligibility Criteria</b> <i>(Educational and/ or Technical Qualification)</i>	10 <sup>th</sup> Class														
10.	<b>Entry Age for Apprenticeship</b>	18 Years & Above														
11.	<b>Any Licensing Requirements</b> <i>(wherever applicable)</i>	N/A														

12.	Is the Job Role amenable to Persons with Disability	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, check the applicable type of Disability  <input type="checkbox"/> Locomotor Disability <input type="checkbox"/> Acid Attack Victims <input type="checkbox"/> Speech and Language Disability <input type="checkbox"/> Multiple Sclerosis  <input type="checkbox"/> Multiple Disabilities  <input type="checkbox"/> Leprosy Cured Person <input type="checkbox"/> Blindness  <input type="checkbox"/> Parkinson's Disease  <input type="checkbox"/> Cerebral Palsy <input type="checkbox"/> Low Vision  <input type="checkbox"/> Specific Learning Disabilities <input type="checkbox"/> Haemophilia  <input type="checkbox"/> Dwarfism <input type="checkbox"/> Deaf  <input type="checkbox"/> Autism Spectrum Disorder <input type="checkbox"/> Thalassemia  <input type="checkbox"/> Muscular Dystrophy <input type="checkbox"/> Hard of Hearing  <input type="checkbox"/> Mental Illness  <input type="checkbox"/> Sickle Cell Disease  Remarks:
13.	Submitting Body Details	Name: Healthcare Sector Skill Council E-mail ID: hscst@healthcare-ssc.in Contact Number: 011-41017346/40505850, Extn: 111
14.	Certifying Body	Healthcare Sector Skill council and / or Industry
15.	Employment Avenues/Opportunities	Employment opportunities as per industry requirement
16.	Career Progression	Progression will be possible after additional training/diploma to higher level
17.	Trainer's Qualification & Experience:	Post-graduate (recognized system of modern medicine) Surgery/ Orthopedics with 1 year of clinical experience or

		<ul style="list-style-type: none"> <li>• Medical Graduate with 4 years experience working in hospitals in dressing rooms and 1 year teaching experience</li> <li>Or</li> <li>PhD Nursing with 3 years experience working in hospitals in dressing rooms and 1 year teaching experience</li> <li>Or</li> <li>MSc Nursing with 4 years experience working in hospitals in dressing rooms and 2-year teaching experience</li> <li>Or</li> <li>• B.Sc. (Nursing) with 5 years experience working in hospitals in dressing rooms and 2-year teaching experience</li> </ul>
<b>18.</b>	<b>Curriculum Creation Date</b>	11/11/2022
<b>19.</b>	<b>Curriculum Valid up to Date</b>	30/08/2024

## Module Details

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
1.	Introduction to healthcare delivery systems  <b>NOS Name: Prepare and maintain the set-up and equipment required for wound dressing</b>  <b>NOS Code: HSS/N3013</b>	<ul style="list-style-type: none"> <li>• Discuss the healthcare delivery system in India at the primary, secondary, tertiary, and quaternary levels.</li> <li>• Distinguish between private, public, and non-profit healthcare delivery systems.</li> <li>• Differentiate between various healthcare services.</li> <li>• List different departments in a hospital.</li> <li>• Prepare a report summarizing the observations about basic structure and function of healthcare delivery system in India</li> </ul>	06	10	70	70
2.	Soft skills and communication  <b>NOS Name: Prepare and maintain the set-up and equipment required for wound dressing</b>  <b>NOS Code: HSS/N3013</b>	<ul style="list-style-type: none"> <li>• Discuss the importance of effective communication with patients, relatives, and colleagues.</li> <li>• Describe the attributes of a team player.</li> <li>• Discuss about confidentiality and privacy practices related to patient's information.</li> <li>• Discuss the importance of teamwork.</li> <li>• Explain work ethics in the hospital set up.</li> <li>• Discuss the importance of following rules and policies of organization for maintaining code of conduct and scope of work.</li> </ul>	07	10	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul style="list-style-type: none"> <li>• Discuss the various communication styles for maintain gender neutral behavior and PwD (Divyangs) sensitivity.</li> <li>• Demonstrate the usage of technical terms to ensure effective communication.</li> <li>• Apply time management skills during daily activities.</li> <li>• Demonstrate the use of reading and writing skills in written communication.</li> <li>• Demonstrate problem solving and decision-making skills in different situations.</li> <li>• Demonstrate skills of teamwork and work prioritization in different team activities.</li> <li>• Demonstrate basic telephone and email etiquettes.</li> <li>• Prepare reports using the information gathered from observation, experience, reasoning, or communication</li> </ul>				
3.	Basic computer knowledge  <b>NOS Name: Maintain a safe, healthy and secure working environment</b>	<ul style="list-style-type: none"> <li>• List the fundamental hardware components that make up a computer’s hardware and the role of each of these components.</li> <li>• Distinguish between an operating system and an application program, and what each is used for in a computer.</li> </ul>	10	20	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
	<b>NOS Code: HSS/N9617</b>	<ul style="list-style-type: none"> <li>Identify the principal components of a given computer system</li> <li>Demonstrate data entry, taking backups, saving, and retrieving the files, maintaining, and changing network connectivity process.</li> <li>Prepare reports/documents/ demand request using word processing software and spreadsheets (Excels).</li> <li>Demonstrate the use of browser functions to surf on the Internet, send emails.</li> </ul>				
4.	Anatomy and physiology of the human Body  <b>NOS Name: Provide first aid as per the emergency</b>  <b>NOS Code: HSS/N3016</b>	<ul style="list-style-type: none"> <li>List various body parts.</li> <li>Explain the organization of body cells, tissues, organs, organ systems, membranes, and glands in the human body.</li> <li>Describe cells and tissues and their types.</li> <li>Describe different types of organ systems.</li> <li>Discuss different types of body fluids.</li> <li>Discuss in detail skin components and underlying structures.</li> <li>Explain the structure and functioning of human body systems using charts and models</li> <li>Identify various body parts/organs using 3D models of human organ system.</li> <li>Design various working models depicting functioning of each human body system.</li> <li>Prepare a chart detailing skin components and underlying structures.</li> </ul>	20	30	70	70



S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
5.	Role and responsibilities of a dresser (medical)  <b>NOS Name Prepare and maintain the set-up and equipment required for wound dressing</b>  <b>NOS Code: HSS/N3013</b>	<ul style="list-style-type: none"> <li>• Explain the role and responsibilities of the dresser (medical).</li> <li>• Distinguish between the scope of practice of a dresser (medical) and that of other healthcare professionals.</li> <li>• Discuss the roles of multi-disciplinary team personnel.</li> <li>• Discuss the role of dresser (medical) in the different departments of hospital such as emergency, orthopedic, and plastic surgery departments</li> <li>• Explain the challenges and limitations of the role</li> <li>• Prepare a chart depicting roles and responsibilities of a dresser (medical) at different sites.</li> </ul>	06	15	70	70
6.	Dressing materials/agents, splints, casts and bandages  <b>NOS Name: Prepare and maintain the set-up and equipment required for wound dressing</b>  <b>NOS Code: HSS/N3013</b>	<ul style="list-style-type: none"> <li>• Discuss the importance of various health records.</li> <li>• Describe common medical abbreviations, jargons, and terms and terminologies.</li> <li>• Discuss the applications of various medical abbreviations, jargons, and terms and terminologies.</li> <li>• Explain the use of various medical abbreviations, jargons, and terms and terminologies in different situations.</li> </ul>	12	20	70	70
7.	Sterilization and disinfection practices	<ul style="list-style-type: none"> <li>• Differentiate between sterilization and disinfection.</li> </ul>	20	45	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
	<p><b>NOS Name: Prepare and maintain the set-up and equipment required for wound dressing</b></p> <p><b>NOS Code: HSS/N3013</b></p>	<ul style="list-style-type: none"> <li>• Describe the basis of classifying dressing materials into critical, non-critical and semi critical.</li> <li>• Discuss the indications and selection criteria for instruments and material for sterilization and disinfection.</li> <li>• Discuss about different methods of sterilization such as physical and chemical methods.</li> <li>• Classify disinfectants based on consistency, spectrum of activity and mechanism of action.</li> <li>• Discuss about disinfection process of surfaces, equipment, and materials.</li> <li>• Discuss the ways of checking efficacy of sterilization or disinfection performed.</li> <li>• Discuss the disinfection and sanitation processes specific to pandemic like COVID19.</li> <li>• Create flow charts showing steps of different sterilization methods.</li> <li>• Create flow charts showing steps of different disinfection methods.</li> <li>• Sort the dressing materials and instruments for sterilization and disinfection.</li> <li>• Demonstrate the different methods of sterilizing different types of dressing material and instrument.</li> <li>• Demonstrate the different types of disinfection processes as required for surfaces, equipment, and materials.</li> </ul>				

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul style="list-style-type: none"> <li>• Create sample checklist and schedule for disinfection of dressing room with respect to pandemic like COVID 19.</li> </ul>				
8.	Inventory management of dressing room  <b>NOS Name: Prepare and maintain the set-up and equipment required for wound dressing</b>  <b>NOS Code: HSS/N3013</b>	<ul style="list-style-type: none"> <li>• Define the role and responsibilities of the dresser (medical) in inventory management.</li> <li>• Discuss the list of equipment and material required in the dressing room</li> <li>• Describe the inventory management best practices in dressing room.</li> <li>• Discuss about the condemnation guidelines for equipment or logistics which are outdated or in non-working condition.</li> <li>• Discuss the process of arranging dressing materials and instruments in dressing room.</li> <li>• Discuss how to maintain the record of available sterilized sets and their inventory communication with CSSD team and nursing staffs.</li> <li>• Discuss about SOP of reporting or discarding the expired consumables.</li> <li>• Prepare a sample checklist to check availability of various types of dressing materials, agents, bandages, splints, equipment, and instrument etc. in dressing room.</li> <li>• Demonstrate the compilation of all relevant information in sample formats leveraged in the dressing room for inventory.</li> </ul>	15	45	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
9.	Pre-procedural activities of wound dressing  <b>NOS Name: Perform pre-procedural activities for dressing of wounds and injuries</b>  <b>NOS Code: HSS/N3014</b>	<ul style="list-style-type: none"> <li>List essential items required for wound dressing.</li> <li>Differentiate between different types of dressing materials as per the wound exudation.</li> <li>Identify the suitable surface to be used as a sterile field for dressing such as dressing trolley, tray, or over-bed table.</li> <li>Discuss about basis of selecting the right bandage size as per affected region of body to be bandaged.</li> <li>Describe the implications of using expired consumables.</li> <li>Describe the importance of checking intactness/sterility of packaging of dressing material.</li> <li>Describe the ways of handling the vaccines and immunoglobulins and maintaining cold chain.</li> <li>List the prewarmed solutions used for irrigation and drugs for intravenous administration.</li> <li>Discuss about importance of maintaining right amount of air circulation, temperature and humidity in the procedure area.</li> <li>Describe the precautions to be taken while using various pre-heating treatment room devices such as over-head heating panel, light, warmers, etc.</li> <li>Describe the special precautions to be taken while preparing patients with infection of multi-resistant organisms like Multi-resistant staphylococcus aureus (MRSA).</li> </ul>	67	120	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul style="list-style-type: none"> <li>• Discuss about the latest guidelines for special precautions to be taken while attending suspects or confirmed patients in case of disease outbreak/epidemic/pandemic.</li> <li>• Discuss about the personal hygiene practices to be followed by dresser (medical) before procedure.</li> <li>• Describe about different positions of patient to be maintained as per affected region of body.</li> <li>• Demonstrate selection of equipment and materials to be used for dressing as per wound type and affected region of body.</li> <li>• Prepare a sample dressing trolley with placement of equipment and material on clean and sterile surface.</li> <li>• Prepare a checklist to be followed for declaring the procedure area ready for commencing dressing procedure.</li> <li>• Demonstrate hand hygiene steps.</li> <li>• Demonstrate donning and doffing off different levels of Personal Protective Equipment (PPE).</li> <li>• Demonstrate the process of recording vital signs data e.g., temperature, BP, weight.</li> <li>• Demonstrate appropriate verbal or nonverbal communication skills while briefing the patient about the procedure.</li> <li>• Show preparation of procedure area, oneself and patient in a mock drill.</li> </ul>				

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul style="list-style-type: none"> <li>• Demonstrate preparation of a prewarmed solution used for irrigation.</li> <li>• Discuss the checklist to be followed while preparing a patient for dressing procedure.</li> <li>• Describe about importance of obtaining consent of the patient.</li> <li>• List the various pre-medications and pain medications given to the patient before dressing.</li> <li>• Explain the concept of post exposure prophylaxis.</li> </ul>				
10.	Principles of wound healing  <b>NOS Name: Assist the healthcare professionals in management of wound and tissue viability</b>  <b>NOS Code: HSS/N3015</b>	<ul style="list-style-type: none"> <li>• Define wound.</li> <li>• Describe about skin response to damage.</li> <li>• Describe wound repair process.</li> <li>• Discuss the basic principles and phases of wound healing.</li> <li>• Classify wounds as duration such as acute and chronic.</li> <li>• Classify wounds as per bacteriological load such as clean, clean contaminated, contaminated, and dirty, etc.</li> <li>• Classify wounds as per appearance such as red, yellow &amp; black etc.</li> <li>• Discuss the basic principles and benefits of aseptic wound dressing.</li> <li>• Explain the concept of homeostasis and its different approaches used in wound dressing</li> </ul>	15	20	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		such as direct pressure, chemical, physical agents etc. <ul style="list-style-type: none"> <li>• Draw diagram of wound healing process depicting phases of healing.</li> <li>• Demonstrate the process of identification of different types of wounds applying various classification tools.</li> </ul>				
11.	Tissue viability  <b>NOS Name: Assist the healthcare professionals in management of wound and tissue viability</b>  <b>NOS Code: HSS/N3015</b>	<ul style="list-style-type: none"> <li>• Define tissue viability and its significance.</li> <li>• Describe about gangrene.</li> <li>• Differentiate between dry and wet gangrene. ‘</li> <li>• Describe about different types of ulcers and their assessment.</li> <li>• Describe the basic importance of identification of early signs of wound contamination, infection and colonization.</li> <li>• Describe the basic steps of wound assessment and wound bed preparation.</li> <li>• Identify the critical issues in the assessment and management of patients with special conditions like leg ulcers and lymphoedema.</li> <li>• Discuss about the scoring systems, bed and position requirements and wound cleansing systems for pressure injury wounds.</li> <li>• List the urgent or warning signs of alarm needs to be reported to healthcare professional.</li> <li>• Create a grading chart of pressure ulcers using the classification tool.</li> </ul>	15	30	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul style="list-style-type: none"> <li>• Demonstrate communication skills while briefing the patient about prevention and management of pressure ulcers.</li> <li>• Prepare a chart depicting various signs of wound contamination, infection and colonization.</li> <li>• Create a chart of the urgent or warning signs of alarm needs to be reported to healthcare professional.</li> <li>• Demonstrate ability to differentiate between viable and non-viable tissues.</li> </ul>				
12.	Wound management: dressing procedure  <b>NOS Name: Assist the healthcare professionals in management of wound and tissue viability</b>  <b>NOS Code: HSS/N3015</b>	<ul style="list-style-type: none"> <li>• Differentiate between various methods of debridement such as enzymatic, surgical, high pressure water irrigation, larval and leech therapy.</li> <li>• Differentiate in selection of dressing material and technique for wounds of different parts of the body depending on the viability of tissue and other physical attributes.</li> <li>• Discuss about the special requirements of pediatric patients for wound dressing such as specific dressing material for children to secure dressing.</li> <li>• Discuss about the basic management of various types of problem wounds and wound discharge.</li> <li>• Discuss classification of burn wounds and their assessment</li> </ul>	15	30	70	70



S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul style="list-style-type: none"> <li>• Discuss about the different medications, procedures and suitable burn dressing to be used in case of burn patients.</li> <li>• Describe about the principles, different techniques of bandaging and variability in techniques as per affected body part.</li> <li>• Describe the uses of bandaging a wound.</li> <li>• Discuss about the techniques of Negative Pressure Wound Therapy (NPWT), its application on compression bandage and its contraindications.</li> <li>• Describe about different forms of wound closure and their indications.</li> <li>• Discuss about the basic management of wounds in diabetic patients.</li> <li>• Discuss about different types of drain sites, drains and their maintenance.</li> <li>• Discuss the ways of handling the amputated part and caring the stoma and drains.</li> <li>• Discuss about best practices of collection and transportation of tissue or pus culture samples.</li> <li>• List the common emergencies encountered in dressing room.</li> <li>• Demonstrate various methods of debridement.</li> <li>• Demonstrate selection of dressing material for the different type of wounds as per case history</li> <li>• Demonstrate dressing procedure for different body parts and types of wounds.</li> </ul>				

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul style="list-style-type: none"> <li>• Demonstrate different bandaging techniques such as sling, circular, spiral, figure of 8, etc. of various regions of body.</li> <li>• Demonstrate activities to be performed by dresser (medical) while assisting with suturing and suture removal.</li> <li>• Demonstrate application of NPWT (Negative Pressure Wound Therapy.)</li> <li>• Design a chart depicting the possible incidences where support from physiotherapist, social worker and police may be needed during wound management.</li> <li>• Demonstrate how to collect sample from wound site and label it.</li> <li>• Demonstrate ability to properly preserve amputated part for transportation.</li> <li>• Demonstrate how to attend to a patient with syncopal attack.</li> <li>• Demonstrate wound management in limited resource settings by applying basic principles of first aid.</li> </ul>				
13.	Wound management: splint or cast application  <b>NOS Name: Assist the healthcare professionals in management of wound</b>	<ul style="list-style-type: none"> <li>• Discuss about selection technique of the appropriate splint or cast as per affected site and type of injury.</li> <li>• List different patient positions to be maintained when splint or cast application is needed.</li> <li>• Explain about the importance of elevation to apply extremity splints or casts.</li> </ul>	15	30	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
	<p><b>and tissue viability</b></p> <p><b>NOS Code: HSS/N3015</b></p>	<ul style="list-style-type: none"> <li>• Discuss about indications, position, and application of different types of splints, and casts as well as precautions to be observed on case-to-case basis.</li> <li>• Determine the indications for replacement of splints and casts as per condition and material of splint.</li> <li>• Describe the importance of cleaning or sterilizing splints before next use.</li> <li>• Demonstrate the various types of splinting techniques for splint or cast application</li> <li>• Prepare a chart depicting type of splint to be used as per affected body part.</li> <li>• Prepare a chart depicting type of cast to be used as per affected body part.</li> <li>• Demonstrate removal of splint and cast.</li> <li>• Show how to position patients while applying splints on different body parts.</li> <li>• Demonstrate cleaning and disinfection techniques of splints.</li> <li>• Determine the timing for splint modification or change.</li> </ul>				
14.	Documentation and maintenance of records	<ul style="list-style-type: none"> <li>• Define the role and responsibilities of the dresser (medical) in reporting and management of records.</li> <li>• Explain the purpose of obtaining written consent of patient while recording clinical photography and videography of wound/procedure.</li> </ul>	11	18	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
	<p><b>NOS Name: Assist the healthcare professionals in management of wound and tissue viability</b></p> <p><b>NOS Code: HSS/N3015</b></p>	<ul style="list-style-type: none"> <li>• Explain the importance of maintaining dignity and privacy of patients while recording photography and videography of wound/procedure.</li> <li>• List the various types of post dressing and post splintage instructions given to the patient.</li> <li>• Explain the importance of maintaining confidentiality of documents.</li> <li>• Demonstrate technical skills of recording clinical photography and videography of wound/procedure.</li> <li>• Create a sample set of documents to record clinical and procedure related information of patients.</li> <li>• Create a chart depicting various types of post dressing and post splintage instructions required to be given to the patient as per type of wound and affected body part.</li> </ul>				
15.	<p>Handling emergency situations</p> <p><b>NOS Name: Provide first aid as per the emergency</b></p> <p><b>NOS Code: HSS/N3016</b></p>	<ul style="list-style-type: none"> <li>• Discuss about the good Samaritan Law and its general principles.</li> <li>• Describe the importance of maintaining local emergency numbers as prevalent in region.</li> <li>• Recognize potential hazards found at the emergency scene.</li> <li>• Discuss about immediate safety responses such as switching off the ignition of the motor vehicle in case of a motor vehicle accident, cutting off</li> </ul>	30	49	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<p>main electrical switch before approaching a victim of suspected electrocution, etc.</p> <ul style="list-style-type: none"> <li>• Discuss about triage and its modalities.</li> <li>• Discuss the guidelines and safety precautions that need to be followed when lifting a victim.</li> <li>• Describe the guidelines and safety precautions that need to be followed when moving the victims such as special carrying procedures on stairs; pushing and pulling the victim, etc</li> <li>• Determine the need for additional help or assistance such as trained lifeguards or trained swimmers to extricate the drowning person.</li> <li>• Discuss about the protocols for assessing consciousness, responsiveness, any limb deformity, swelling, coughing, bleeding, or breathing difficulties of the victim.</li> <li>• Describe the standard procedure of Cardiopulmonary Resuscitation (CPR).</li> <li>• Identify precautions to be taken for self-safety.</li> <li>• Prepare a list of local emergency response agencies such as Emergency Medical Service (EMS) team, ambulance, bomb disposal squads, fire and police departments, etc. along with their contact details.</li> <li>• Demonstrate one-handed carrying techniques of the victim.</li> <li>• Demonstrate correct technique of providing CPR on manikin using both single rescuer and two rescuer methods.</li> </ul>				

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
16.	First aid care for medical emergencies  <b>NOS Name: Provide first aid as per the emergency</b>  <b>NOS Code: HSS/N3016</b>	<ul style="list-style-type: none"> <li>• Identify signs and symptoms of common medical emergencies which require first aid response such as chest pain/discomfort, giddiness/fainting, choking, stroke/paralysis attack, fits/convulsions, nosebleed/ epistaxis</li> <li>• Explain the need for assessing and recording breathing difficulty/patterns, abnormal facial expressions, deficit in speech, any weakness, warning signs of convulsions, cyanosis, the pattern, and duration of fits.</li> <li>• Discuss about standard protocols while providing first aid care to victim for various medical emergencies.</li> <li>• List the various do's and don'ts to be followed while providing first aid care during medical emergencies.</li> <li>• Demonstrate the correct way of assessment of various signs and symptoms and appropriate techniques of providing first aid care for following conditions:                             <ul style="list-style-type: none"> <li>o chest pain/discomfort as immediate response.</li> <li>o choking.</li> <li>o giddiness and fainting.</li> <li>o stroke/paralysis attack.</li> <li>o fits or convulsions.</li> <li>o epistaxis.</li> </ul> </li> </ul>	28	46	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
17.	First aid care for trauma emergencies  <b>NOS Name: Provide first aid as per the emergency</b>  <b>NOS Code: HSS/N3016</b>	<ul style="list-style-type: none"> <li>• Explain the basic components of first aid kit.</li> <li>• Discuss about standard protocols while providing first aid care to victims for various trauma emergencies such as road traffic accidents, bleeding, burns, snake/dog bite, eye injuries and drowning.</li> <li>• List the various do’s and don’ts to be followed while providing first aid care during trauma emergencies.</li> <li>• List the various types of information to be collected from the site such as information about the snake, etc.</li> <li>• Explain the packing procedure of amputated part for keeping it viable for reimplantation, in case of amputation.</li> <li>• Discuss about first aid care in low resource settings using culture sensitive examples.</li> <li>• Design a dummy portable and segregable first aid kit as per requirements.</li> <li>• Demonstrate correct way of assessment of condition and appropriate techniques of providing first aid care during following conditions:                             <ul style="list-style-type: none"> <li>o road traffic accidents.</li> <li>o wound care and bleeding.</li> <li>o burns.</li> <li>o snake/dog bite.</li> <li>o eye injuries.</li> <li>o drowning</li> </ul> </li> </ul>	27	50	70	70

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
18.	Safety and emergency response at workplace  <b>NOS Name: Maintain a safe, healthy and secure working environment</b>  <b>NOS Code: HSS/N9617</b>	<ul style="list-style-type: none"> <li>• Explain the importance of maintaining health safety and security.</li> <li>• Describe basic first aid in case of emergencies.</li> <li>• Identify potential hazards in the hospital and hospital color coding system.</li> <li>• Identify the suspicious package or items.</li> <li>• Explain the policies and rules of the organization pertaining to safety and combating hazards.</li> <li>• Demonstrate the skills of infection control and use of personal protective equipment (PPE).</li> </ul>	10	19	70	70
19.	Infection control policies and procedures  <b>NOS Name: Comply with Infection Control and Bio Medical Waste Disposal Policies</b>  <b>NOS Code: HSS/N9620</b>	<ul style="list-style-type: none"> <li>• Describe the importance of infection control and prevention.</li> <li>• Identify the factors which influence the outcome of an exposure to infection.</li> <li>• List strategies for preventing transmission of pathogenic organisms.</li> <li>• List the steps of spill management.</li> <li>• List the process of hand washing.</li> <li>• Enumerate various nosocomial infections</li> <li>• Explain the importance of incident reporting.</li> <li>• Develop techniques of self-grooming and maintenance.</li> <li>• Explain the concept of immunization to reduce the health risks for self and patients.</li> <li>• Explain the concept of healthy living.</li> <li>• Describe the techniques of proper usage of PPE.</li> <li>• Explain the importance of PPE.</li> </ul>	10	21	70	70



S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul style="list-style-type: none"> <li>Explain various vaccinations against common infectious diseases.</li> </ul>				
20.	Bio-medical waste management  <b>NOS Name: Comply with Infection Control and Bio Medical Waste Disposal Policies</b>  <b>NOS Code: HSS/N9620</b>	<ul style="list-style-type: none"> <li>Categorize the different types of biomedical waste.</li> <li>Explain the importance and mechanism of proper and safe disposal, transportation and treatment of bio-medical waste.</li> <li>Identify the various types of color-coded bins/containers used for disposal of biomedical waste.</li> <li>Explain the importance of following local guidelines of biomedical waste disposal.</li> <li>Segregate the biomedical waste applying the local guidelines.</li> <li>Create a chart depicting different types of biomedical waste and various types of colour coded bins/containers used for disposal of biomedical waste.</li> <li>Prepare a report on the observations from field assignment about the structure of transportation and treatment of biomedical waste</li> </ul>	11	22	70	70
<b>Total Marks</b>			<b>350</b>	<b>650</b>	<b>70</b>	<b>70</b>

## Glossary

Term	Description
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 organization.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context
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.

## Acronyms

Acronym	Description
NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
AIDS	Acquired Immune Deficiency Syndrome
GDA	General Duty Assistant

## Annexure 1: Tools and Equipment

### List of Tools and Equipment

<Specify the Batch size, if required>

The tools and equipment required are:

S. No.	Tool / Equipment Name	Specification
1	Hypochlorite solution	Bottle
2	Guidelines, protocols or tools of wound assessment	Bundle
3	Autoclave	
4	Spill Kit	
5	Disposable cartridge and syringes	
6	Cotton Rolls	Rolls
7	Towels	
8	Alcohol swab	Box
9	Fire extinguisher	
10	Physical restraints	
11	Tourniquet	
12	Scoop	
13	Cot	
14	Stretcher	
15	Wheelchair	
16	Torch	
17	Ambu Bag With Mask Adult	
18	Cloth/tissue papers	Packet
19	CPR Manikin	
20	Crash cart trolley	
21	Sutures	Packet
22	Negative Pressure Wound Therapy Device (NPWT)	
23	Wollen Blanket	
24	Pillow Cover	
25	Pillow	

26	Bed Sheet	
27	Hospital Bed - Manual Fowler Bed (3 parts at least)	
28	Mackintosh	
29	light	
30	Warmers	
31	Over-head heating panel	
32	Patient gown	
33	Weighing Machine	
34	Thermometer	
35	Pulseoximeter	
36	Stethoscope	
37	B.P. Monitoring Machine - Digital	
38	B.P. Monitoring Machine - Manual	
39	Alcohol-based sanitizer	Bottle
40	Liquid Soap	Bottle
41	Hand Washing area with sink and hand washing instructions	
42	Sample consent form	
43	Sample medication strips	
44	Nursing manikin	
45	Over-bed table	
46	Dressing tray	
47	Dressing trolley	
48	Different Colour Plastic Bags With Dustbins (Yellow)	
49	Different Colour Plastic Bags With Dustbins (Black)	
50	Different Colour Plastic Bags With Dustbins (Blue)	
51	Different Colour Plastic Bags With Dustbins (Red)	
52	Hair cap	Packet
53	Shoe cover	Packet
54	Face Mask	Packet
55	Gloves (Surgical)	packet of each size
56	Gloves (Disposable)	Packet

57	Gown - PPE	
58	Trauma shears	
59	Bucket or receptacle of water	
60	Elastic Bandages	
61	Cotton pads	Packet
62	Fiberglass	
63	Plaster	
64	Splints	Different size
65	Stockinette	
66	Bandages of different size	Packet of each size
67	Dressing materials	
68	Topical medications	
69	Cleaning materials like Dettol, Savlon, Betadine	Each type

## Classroom Aids

The aids required to conduct sessions in the classroom are:

- 1 Projector
- 2 Computer/laptops
- 3 Internet connectivity
- 4 Whiteboard
- 5 Chairs
- 6 Marker
- 7 Duster
- 8 Registers
- 9 Pen
- 10 Pencil

## Annexure 2: Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the apprentice on the required competencies of the program.

National Occupational Standards (NOS)	Element	Theory Marks Allocation			other Marks Allocation	
	Assessment Criteria for outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total
HSS/N3013: Prepare and maintain the set-up and equipment required for wound dressing	Manage inventory of the dressing room	12	15	5	5	37
	Sterilize and disinfect all dressing materials and instruments	20	20	10	10	60
	Prepare splints and plasters	17	20	10	10	57
	Undertake cutting and rolling of bandages	17	20	10	10	57
HSS/N3014: Perform pre-procedural activities for dressing of wounds and injuries	Assemble the equipment and material required during the procedure	15	15	5	5	40
	Prepare the procedure area	17	15	5	5	42
	Prepare oneself for dressing procedure	17	20	5	10	52
	Prepare the patient for required dressing	18	20	5	10	53
HSS/N3015: Assist the healthcare professionals in management of wound and tissue viability	Check the viability of tissues	17	15	8	10	50
	Assist healthcare professional during wound dressing	31	25	15	10	81

	Assist healthcare professional during splint or cast application	23	20	15	10	68
HSS/N3016: Provide first aid as per the emergency	Ensure scene safety while responding to an emergency	12	10	5	5	32
	Call for Help	10	10	5	5	30
	Evaluate the victim	12	10	5	5	32
	Ensure self-safety before providing first aid care	12	10	5	5	32
	Provide Cardio Pulmonary Resuscitation (CPR)	13	15	5	5	38
	Provide first aid care to the victim complaining of medical emergencies	23	20	5	10	58
	Provide first aid care to the victim of traumatic emergencies	23	20	5	10	58
HSS/N9624: Maintain a safe, healthy and secure working environment	Comply the health, safety and security requirements and procedures for workplace	7		2	10	19
	Handle any hazardous situation with safely, competently and within the limits of authority	8		5	10	23
	Report any hazardous situation and breach in procedures to ensure a safe, healthy, secure working environment	5		2	10	17
Follow biomedical waste disposal and infection control policies and procedures	Classification of the waste generated, segregation of biomedical waste, proper collection and storage of waste	5		3	10	18
	Complying with effective infection control protocols that ensures the safety of the patient(or end-user of health-related products/services)	8		5	10	23
	Maintaining personal protection and preventing the transmission of infection from person to person	8		5	10	23

## Annexure 3: Mode of Training

The following Modules/NOS may also be delivered online for which the resources are provided in the given table.

S. No.	Module Name/NOS Name (As Per Curriculum)	Name of Mapped Online Component	URL of Mapped Online Component

**Infra requirement:**

- Projector
- White board
- Lights
- PPT
- laptops