QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR ALLIED HEALTHCARE

What are Occupational Standards(OS)?

OS describe what individuals need to do, know and understand in order to carry out a particular job role or function

□OS are

performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding



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Introduction Qualifications Pack- Cardiac Care Technician

SECTOR: HEALTHCARE

SUB-SECTOR: Allied Healthcare & Paramedics

OCCUPATION: Cardiac Care Technician

REFERENCE ID: HSS/Q0101

ALIGNED TO: NCO-2004/NIL Cardiac Care Technician (CCT) is a health care specialist

who supports cardiologist in

diagnosing and treatment of ailments of the human heart.

Cardiac care technician in the health Industry is also known as a cardio graphic technician or cardiovascular technician.

Brief Job Description: Individuals in this job assist in performing invasive and noninvasive diagnostic examinations and therapeutic interventions of the heart or blood vessels at the request or direction of a provider.

Personal Attributes: This job requires individuals to work as a part of a multidisciplinary team and should demonstrate motivation and an innovative approach. The individual should have good organisational and time management skills and should have understanding of the anatomy and physiology human body, particularly related to cardio vascular system.

ob Details

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Qualifications Pack Code		HSS/Q0101	
Job Role	Cardiac Care Technician		
Credits (NSQF)	TBD	Version number	1.0
Sector	Health	Drafted on	12/05/2013
Sub-sector	Allied Health & Paramedics	Last reviewed on Next review date	22/05/2013
Occupation	Cardiac Care Technician		22/12/2016
NSQC Clearance on	19/05/2015		

Job Role	Caradic Care Technician		
	Individuals in this job role assist in performing invasive and		
Role Description	non-invasive diagnostic examinations and therapeutic interventions of the heart and/or blood vessels at the request or direction of provider		
NSQF level	4		
Minimum Educational Qualifications*	Class XII in Science or Level 3 ECG Technician with Experience of minimum 3 Years.		
Maximum Educational Qualifications*	Not Applicable		
Training (Suggested but not mandatory)	Not Applicable		
Minimum Job Entry Age	18 years		
Experience	Not Applicable		
Applicable National Occupational Standards (NOS)	Compulsory: 1. HSS/ N 0101: Monitor patients' heart rate and rhythm using electrocardiogram (ECG) equipment. 2. HSS/N0102: Perform Treadmill Test (TT) to assess cardiovascular response 3. HSS/N0103: Assist cardiologist in assessing cardiac structure and function using cardiac ultrasound 4. HSS/N0104: Assist with transesophageal cardiac ultrasound studies 5. HSS/N0105: Assist with pericardiocentesis procedure by echocardiography 6. HSS/N0106: Assist with implant of pacemakers by establishing		



	lead integrity
	7. HSS/N0107: Assist with insertion of temporary pacemakers
	8. HSS/N0108: Demonstrate proficiency in using equipment
	9. HSS/N9602: Ensure availability of medical and diagnostic
	supplies
	10. HSS/N9603: Act within the limits of one's competence and
	Authority
	11. HSS/N9604: Work effectively with others
	12. HSS/N9605: Manage work to meet requirements
	13. HSS/N9606: Maintain a safe, healthy, and secure working
	Environment
	14. HSS/N9607: Practice Code of conduct while performing duties
	15. HSS/N9609: Follow biomedical waste disposal protocols
	16. HSS/N9610: Follow infection control policies and procedures
	17. HSS.N9611: Monitor and assure quality
	Trinosino etti monnesi ana assare quant,
	Optional
	N.A
Performance Criteria	As described in the relevant OS units



Keywords /Terms	Description		
Core Skills/Generic Skills	Core Skills or Generic Skills are a group of skills that are essential to learning and working 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.		
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.		
ECG	Electrocardiogram a graphic tracing of the variations in electrical potential caused by the excitation of the heart muscle and detected at the body surface.		
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.		
Echocardiograph	Echocardiography is a diagnostic test that uses ultrasound waves to create an image of the heart muscle.		
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.		
Knowledge and Understanding	Knowledge and Understanding are statements that together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.		
National Occupational	NOS are Occupational Standards that apply uniquely in the Indian context.		
Standards (NOS) Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.		
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 they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts. Organisational Context includes the way the organisation is structured and how it		
Organisational Context	operates, including the extent of operative knowledge managers have of their relevant areas of responsibility. Pacemaker is an electrical device that is temporarily or permanently		
Pacemaker	implanted in the body to improve the heart rate by using electric impulses to stimulate the heart muscles. Performance Criteria are statements that together specify the standard		
Performance Criteria	of performance required when carrying out a task. Pericardiocentesis is the removal by needle of pericardial fluid from the		
Pericardiocentesis	sac surrounding the heart for diagnostic or therapeutic purposes. Qualifications Pack Code is a unique reference code that identifies a qualifications		
Qualifications Pack Code	pack. Qualifications Pack comprises the set of OS, together with the educational, training		
Qualifications Pack(QP)	and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.		



Scope	Scope is the 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 the quality of performance required.		
Sector Sector is a conglomeration of different business operations having			
	businesses and interests. It may also be defined as a distinct subset of the		
	economy whose components share similar characteristics and interests.		
Sub-functions	Sub-functions are sub-activities essential to fulfil the achieving the objectives of the function.		
Sub-sector Sub-sector is derived from a further breakdown based on the characteris			
	interests of its components.		
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish		
	specific designated responsibilities.		
Unit Code	Unit Code is a unique identifier for an OS unit, which can be denoted with		
	'N'.		
Unit Title	Unit Title gives a clear overall statement about what the incumbent		
	should be able to do.		
Vertical	Vertical may exist within a sub-sector representing different domain		
	areas or the client industries served by the industry.		
Voymorde /Torme	Description		
Keywords /Terms	- Pessinpasii		
ACLS	Advanced cardiac life support		
ACLS	Advanced cardiac life support		
ACLS AV	Advanced cardiac life support Atrio ventricular		
ACLS AV BP	Advanced cardiac life support Atrio ventricular Blood pressure		
ACLS AV BP CABG	Advanced cardiac life support Atrio ventricular Blood pressure Coronary artery bypass graft		
ACLS AV BP CABG ECG	Advanced cardiac life support Atrio ventricular Blood pressure Coronary artery bypass graft Electrocardiogram		
ACLS AV BP CABG ECG TT	Advanced cardiac life support Atrio ventricular Blood pressure Coronary artery bypass graft Electrocardiogram Treadmill Test		
ACLS AV BP CABG ECG TT MET	Advanced cardiac life support Atrio ventricular Blood pressure Coronary artery bypass graft Electrocardiogram Treadmill Test Metabolic equivalent		
ACLS AV BP CABG ECG TT MET MSDS	Advanced cardiac life support Atrio ventricular Blood pressure Coronary artery bypass graft Electrocardiogram Treadmill Test Metabolic equivalent Material safety data sheet		
ACLS AV BP CABG ECG TT MET MSDS NOS	Advanced cardiac life support Atrio ventricular Blood pressure Coronary artery bypass graft Electrocardiogram Treadmill Test Metabolic equivalent Material safety data sheet National Occupational Standard(s)		
ACLS AV BP CABG ECG TT MET MSDS NOS NSQF	Advanced cardiac life support Atrio ventricular Blood pressure Coronary artery bypass graft Electrocardiogram Treadmill Test Metabolic equivalent Material safety data sheet National Occupational Standard(s) National Skills Qualifications Framework		
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ACLS AV BP CABG ECG TT MET MSDS NOS NSQF OS	Advanced cardiac life support Atrio ventricular Blood pressure Coronary artery bypass graft Electrocardiogram Treadmill Test Metabolic equivalent Material safety data sheet National Occupational Standard(s) National Skills Qualifications Framework Occupational Standards Qualification Pack		



HSS/N0101 Monitor patients' heart rate and rhythm using electrocardiogram (ECG) equipment

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Overview

This Occupational Standard describes about Cardiac care technician monitoring patients' blood pressure and heart rate using electrocardiogram (ECG) equipment during diagnostic or therapeutic procedures to notify the physician if something appears wrong.



HSS/N0101 Monitor patients' heart rate and rhythm using electrocardiogram (ECG) equipment

Unit Code Unit Title	HSS/N0101		
Office Title	Monitor patient's heart rate and rhythm using electrocardiogram (ECG) equipment		
Description	This OS unit is about Cardiac care technician monitoring patients' heart rate and rhythm using electrocardiogram (ECG) equipment during diagnostic or therapeutic procedures to notify the provider if something appears wrong		
Scope	This unit/task covers the following: Monitor the patient using ECG for any cardiac abnormalities, Assisting provider in performing various diagnostic and therapeutic procedures for cardiac care		
Performance Criteria(P	C) w.r.t. the Scope		
Element	Performance Criteria		
	To be competent, the user/individual on the job must be able to:		
	PC1. Set the room for taking the ECG readings		
	PC2. Attach, connect, and operate electrodes from specified body areas to leads		
	from electrocardiograph machine PC3. Review patient's record and instructs patients prior to procedures		
PC3. Review patient's record and instructs patients prior to procedures PC4. Set the ECG machines and explain the ECG procedures clearly to the patents.			
	PC5. Monitor patient during procedures and report any abnormal findings		
	PC6. Edit and forward results to attending physician for analysis and interpretation		
	PC7. Maintains ECG equipment and supplies		
Knowledge and Unders	tanding (K)		
A. Organizational	The user/individual on the job needs to know and understand:		
Context	KA1. How to perform their roles and responsibilities based on organization working		
(Knowledge of the	methods KA2. How to be familiar with institution, association and profession's code of ethics		
company / organization and	and standards of practice		
its processes)			
B. Technical	The user/individual on the job needs to know and understand:		
Knowledge	KB1. How to apply sensors (electrodes) and secure. Connect lead wires to monitor/recorder		
KB2. How to record rhythm strip and/or lead tracing (where applicable) to ensu			
correct calibration, lead placement (sufficient amplitude of the R wave) and good connections (electrodes, leads and battery)			
KB3. How to Identify ECG waveforms checking for technical accuracy, ensure			
artefact free tracing and correct lead placement			
	KB4. How to remove leads and sensors (electrodes), clean sensor sites and provide		
any assistance required in dressing KB5. How to prepare tracing for interpretation by physician per institution protoc			
Skills (S)	,		
A. Core Skills/	Writing Skills		



HSS/N0101 Monitor patients' heart rate and rhythm using electrocardiogram (ECG) equipment

Generic Skills	The user/ individual on the job needs to:	
	SA1. Know how to record patient data like demographics and vitals	
	SA2. Know the local language	
	SA3. Review and enter data into computer analyser including age, name, medications,	
	date and time of recording, indication for test, symptoms obtained from diary,	
	referral source	
	Reading Skills	
	The user/individual on the job needs to know and understand how to:	
	SA4. Reads the readings on the ECG monitors	
	SA5. Read the instructions given by provider	
	SA6. Read the instruction on the ECG equipment	
	Oral Communication (Listening and Speaking skills)	
	The user/individual on the job needs to know and understand how to:	
	SA7. Interact with the patient in the local language	
	SA8. Give clear instructions to the patient and listen patiently	
	SA9. Explain the purpose and clarify requirements of the patient during the test	
	procedure	
	SA10. Communicate with other people around the patient and give them clear	
D. D. C.	instructions about their safety	
B. Professional Skills	Decision Making	
	The user/individual on the job needs to know and understand how to:	
	SB1. Make arrangements for appropriate transfer of patient according to results	
	Plan and Organize	
	The user/individual on the job needs to know and understand:	
	SB2. How to plan and organise activities that are assigned	
	Customer Centricity	
	The user/individual on the job needs to know and understand how to:	
	SB3. Communicate effectively with patients and family, physicians, and other	
	members of the health care team to take measures for improving patient's	
	health	
	Problem Solving	
	The user/individual on the job needs to know and understand how to:	
	SB4. Inspect equipment to ensure proper working order and take any corrective	
	actions as required	
	Analytical Thinking	
	The user/individual on the job needs to:	
	SB5. Assist in diagnosing or identifying possible reasons of particular condition a	
	patient is suffering from	
	Critical Thinking	
	The user/individual on the job needs to know and understand how to:	
	SB6. Apply and evaluate the information gathered from the report	



HSS/N0101 Monitor patients' heart rate and rhythm using electrocardiogram (ECG) equipment

NOS Code	HSS/N0101		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16





MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of a Cardiac Care Technician to perform Exercise Tolerance Test (ETT) to assess cardiovascular response.



HSS/N0102 Perform treadmill test (TT) to assess cardiovascular response

Unit Code	HSS/N0102		
Unit Title (Task)	Perform treadmill test (TT) to assess cardiovascular response		
Description	This OS unit is about the Cardiac Care technician performing treadmill test (TT) on patient to assess cardiovascular response when heart is working hard (or stressed).		
Scope	This unit/task covers assisting cardiologist in the following: Following required procedures for testing using a prescribed exercise testing protocols, identifying Cardiovascular response during TT		
Performance Criteria(PC	C) w.r.t. the Scope		
Element	Performance Criteria		
	To be competent, the user/individual on the job must: PC1. Take consent from patient base on ECG results PC2. Prepare patient for test PC3. Ensure patient identification and review indication for procedure PC4. Take pertinent patient history including cardiac risk factors and medications PC5. Explain purpose and procedure to the patient and clarify requirements of them for the test PC6. Continually observe the patient's condition and reactions, monitor ECG and take required measurements and recordings, at intervals appropriate to patient's symptoms and/or test protocol PC7. Assist in evaluating test results		
Knowledge and Unders	tanding (K)		
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand how to: KA1. Inform if any untoward incidence happens during the procedure based on organisational guidelines KA2. Communicate and whom to communicate in case of emergency		
B. Technical Knowledge	The user/individual on the job needs to know and understand how to: KB1. Set up and calibrate the equipment according to specific procedures KB2. Follow required procedures for testing using a variety of exercise testing protocols KB3. Identify associated workload measurements such as METs and aerobic impairment KB4. Use appropriate skin preparation, prepare sensor sites and apply sensors KB5. Attach required equipment to record blood pressure, oxygen saturation, as per facility protocol KB6. Follow established absolute indicators to cancel or discontinue the test KB7. Recognize positive, negative, false positive and false negative results KB8. Remove leads and sensors (electrodes) and clean sensor sites		



HSS/N0102 Perform treadmill test (TT) to assess cardiovascular response

A. Core Skills/	Writing Skills			
Generic Skills				
	The user/ individual on the job needs to know and understand:			
	SA1. How to enter required patient demographics and data, including pre-test blood pressure measurements			
	Reading Skills			
	The user/individual on the job needs to know and understand:			
	SA2. The equipment instructions and read the test results			
	Oral Communication (Listening and Speaking skills)			
	The user/individual on the job needs to know and understand how to:			
	SA3. Instruct and demonstrate the use of the equipment to the patient keeping safety in mind			
B. Professional Skills	Decision Making			
	The user/individual on the job needs to know and understand how to:			
	SB1. Instruct, monitor, assess and reassure patient and take appropriate actions as required by patient's symptoms or test findings			
	Plan and Organize			
	The user/individual on the job needs to:			
	SB2. Adapt their plans to deal with frequent interruptions such as emergency repairs and refits and changes			
	Customer Centricity			
	The user/individual on the job needs to know and understand how to:			
	SB3. Communicate effectively with patients and their family			
	SB4. Explain and demonstrate the use of equipment to patient for safety purpose SB5. Review important points and evaluate patient's ability to comprehend and comply with expectations			
	Problem Solving			
	The user/individual on the job should be able to:			
	SB6. Recognize patient risk factors associated with exercise tolerance testing such as			
	cardiovascular, skeletal/muscular limitations, psychological response and			
	anticipate potential problems Analytical Thinking			
	The user/individual on the job needs to know and understand how to: SB7. Assess patients' physical and psychological health			
	Critical Thinking			
	The user/individual on the job needs to know and understand how to: SB8. Analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently			



HSS/N0102

Perform treadmill test (TT) to assess cardiovascular response

NOS Code	HSS/N0102		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16







MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of a cardiac care technician for assisting the cardiologist in assessing cardiac structure and functioning using cardiac ultrasound.



HSS/N0103 Assist cardiologist in assessing cardiac structure and function using cardiac ultrasound

Unit Code	HSS/N0103		
Unit Title (Task)	Assist cardiologist in assessing cardiac structure and function using cardiac ultrasound		
Description	This OS unit is about the cardiac care technician assisting cardiologist in assessing cardiac structure and function using cardiac ultrasound.		
Scope	This unit/task covers: Assisting cardiologist in obtaining images of the heart to help diagnose and monitor diseases that affect the structure and function of heart including heart valves and/or muscle		
Performance Criteria(Po	C) w.r.t. the Scope		
Element	Performance Criteria		
	To be competent, the user/individual on the job must: PC1. Ensure patient identification and explain procedure to the patient PC2. Record patient's demographic data and vitals PC3. Activate machine, calibrate if required PC4. Know about heart function and anatomy PC5. Prepare patients for ultrasound		
Knowledge and Unders	tanding (K)		
A. Organizational Context (Knowledge of the company organization and its processes)	The user/individual on the job needs to know and understand: KA1. The profession's Code of conduct, standards of Practice, policies and procedures as set out by the organization KA2. The designated roles and responsibilities KA3. All procedures and should be able to take accurate measurements and recordings		
B. Technical Knowledge	The user/individual on the job needs to know and understand how to: KB1. Prepare and position patients for testing KB2. Activate machine, calibrate it if required KB3. Attach ECG sensors using modified lead II and position patient KB4. Apply transducer gel to designated test sites KB5. Utilize various transducer positions to maintain optimum views of the structures and functioning of the heart, KB6. Adjusting equipment and controls according to physicians' orders or established protocol KB7. Observe ultrasound display screen and listen to signals to record vascular information such as blood pressure, limb volume changes, oxygen saturation and cerebral circulation KB8. Observe gauges, recorder, and video screens of data analysis system during imaging of cardiovascular system. KB9. Detach equipment and clean test areas KB10. Performs administrative duties involving inventory control as required and Identify and acquire the supply of equipment and other materials in a timely cost effective manner		
Skills (S)			



Assist cardiologist in assessing cardiac structure and function using cardiac ultrasound

A. Core Skills/	Writing Skills				
Generic Skills					
	The user/ individual on the job needs to know and understand how to: SA1. Report				
	measurement findings using required forms and formats SA2. Record patient's data				
	and history				
	Reading Skills				
	The user/individual on the job needs to know and understand how to:				
	SA3. Take the readings and read the manuals for using the equipment				
	SA4. Read the equipment instructions				
	Oral Communication (Listening and Speaking skills)				
	The user/individual on the job needs to know and understand how to:				
	SA5. Interact with the patient				
	SA6. Give clear instructions to the patient				
	SA7. Explain test procedures to patient to obtain cooperation and to reduce anxiety				
6	Decision Making				
B. Professional Skills	Not Applicable				
	Plan and Organize				
	The user/individual on the job needs to know and understand:				
	SB1. How to plan and organise activities in order to be efficient and rapid without				
	compromising on patient care Customer Centricity				
	·				
	The user/individual on the job needs to know and understand how to:				
	SB2. Communicate effectively with patients and their family, physicians, and other				
	members of the health care team				
	SB3. Maintain patient confidentiality Problem Solving				
	The user/individual on the job should be able to:				
	SB4. Inspect equipment to ensure proper working order and take any corrective actions as required				
	actions as required				
	Analytical Thinking				
	The user/individual on the job needs to know and understand how to:				
	SB5. Assess patients' physical and psychological health				
	Critical Thinking				
	The user/individual on the job needs to know and understand how to:				
	SB6. Analyse, evaluate and apply the information gathered from observation,				
	experience, reasoning, or communication to act efficiently				



HSS/N0103

Assist cardiologist in assessing cardiac structure and function using cardiac ultrasound

NOS Code	HSS/N0103		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16



MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of a cardiac care technician for assisting with transesophageal cardiac ultrasound studies.



HSS/N0104 Assist with Transesophageal cardiac ultrasound studies

Unit Code	HCC/NO104		
Unit Title	HSS/N0104 Assist with transesophageal cardiac ultrasound studies		
(Task)	This OS unit is about the cardiac care technician assist with transesophageal cardiac		
Description	ultrasound studies. A specialized probe containing an ultrasound transducer at its tip		
	is passed into the patient's esophagus. As esophagus is close to the heart this method allows for clearer images of the heart and helps find the abnormalities. This unit/task covers assisting cardiologist in the following:		
	This army task covers assisting our disrigist in the following.		
Scope	Assessing the overall function of patient heart's valves and chambers, Deter mining the presence of many types of heart disease, such as valve disease, myocardial disease, pericardial disease, infective endocarditis, cardiac masses and congenital heart disease by using ultrasound images. Evaluating the effectiveness of valve surgery using ultrasound studies Evaluating abnormalities of the left atrium		
Performance Criteria(P	C) w.r.t. the Scope		
Element	Performance Criteria		
	To be competent, the user/individual on the job must:		
	PC1. Ensure patient identification		
	PC2. Obtain patient's informed consent if required as per the protocols		
	PC3. Review indication and explain the procedure and requirements to patient		
	PC4. Arrange the set up for transesophageal ultrasound PC5. Assemble tray for procedure, including intravenous setup, and draw up		
	medication as required		
Knowledge and Unders	211		
A. Organizational	The user/individual on the job needs to know and understand:		
Context	KA1. The profession's Code of conduct, standards of Practice, policies and procedures		
(Knowledge of the	as set out by the organization		
organization and its processes)	KA2. The designated roles and responsibilities KA3. All procedures and should be able to take accurate measurements and recordings		
B. Technical	The user/individual on the job needs to know and understand how to:		
Knowledge	KB1. Place the electrodes (small, flat, sticky patches) on patient's chest KB2. Attach the electrode to an electrocardiograph (ECG) monitor to chart patient heart's electrical activity		
	KB3. Place blood pressure cuff on patient arm to monitor blood pressure		
	KB4. Attach a small clip to a pulse oximeter to monitor the oxygen level of patient blood		
	KB5. Spray an anesthetic (pain-relieving medication) at the back of patient throat KB6. Assist the doctor in injecting medications into IV		
	KB7. Remove secretions by placing a dental suction tip in patient mouth KB8. Monitor heart rate, blood pressure and oxygen level of patient blood during		
	and immediately after the exam KB9. Assist in bubble study if required by drawing up saline		
	KB10. Clean patient and sterilize equipment		
	KB11. Assess patient recovery by monitoring BP, ECG, and oxygen levels		
	1 1 0 //		



HSS/N0104 Assist with Transesophageal cardiac ultrasound studies

Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	The user/ individual on the job needs to know and understand how to: SA1. Record various images and equipment readings
	Reading Skills
	The user/individual on the job needs to know and understand how to: SA2. Take the readings from blood pressure, oximeter and ultrasound equipment SA3. Read the equipment instructions
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA4. Interact with the patient and listen to them patiently SA5. Explain test procedures to patient to obtain cooperation and reduce anxiety
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to:
	SB1. Instruct, monitor, assess and reassure patient and take appropriate actions as required by patient's symptoms or test findings
	Plan and Organize
	The user/individual on the job needs to: SB2. Plan and schedule cardiac ultrasound procedures for inpatients and out patients, when there is a question of whether there is availability or when the schedule is booked
	Customer Centricity
	The user/individual on the job needs to know and understand how to: SB3. Communicate effectively with patients and their family, physicians, and other members of the health care team SB4. Maintain patient confidentiality
	Problem Solving
	The user/individual on the job needs to know and understand how to: SB5. Maintain all echo equipment to solve minor operating problems. Difficult or complex problems are referred to the echo supervisor
	Analytical Thinking
	The user/individual on the job needs to know and understand how to: SB6. Assess the situation and implement appropriate intervention under the guidance of provider Critical Thinking
	The user/individual on the job needs to know and understand how to:
	SB7. Analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently



HSS/N0104

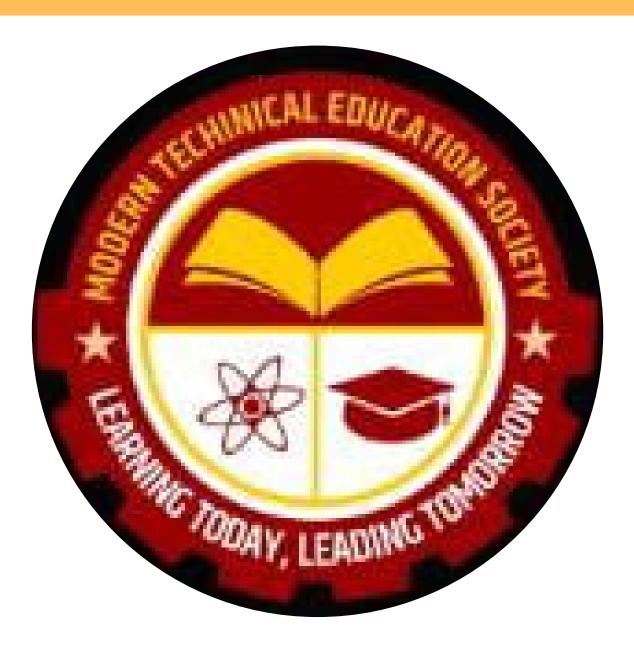
Assist with Transesophageal cardiac ultrasound studies

NOS Code	HSS/N0104		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16





MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of a cardiac care technician for assisting with pericardiocentesis procedure by echocardiography.

MODERN TECHNICAL EDUCATION SOCIETY



Assist with pericardiocentesis procedure by echocardiography HSS/N0105

Unit Code	HSS/N0105		
Unit Title	Assist with pericardiocentesis procedure by echocardiography		
(Task)	This OS unit is about the cardiac care technician assisting cardiologist with		
Description	pericardiocentesis procedure by echocardiography		
'	This unit/task covers assisting cardiologist in the following:		
Scope			
Зсоре	Determining cause of fluid around the heart , Obtaining fluid for appropriate		
	biochemical, cytologic, bacteriologic, and immunologic analysis, Assessment		
	of hemodynamic after pericardial pressure has been lowered to exclude		
	effusive constrictive pericarditis , Relief of tamponade, when present		
Performance Criteria(Po	C) w.r.t. the Scope		
Element	Performance Criteria		
	To be competent, the user/individual on the job must:		
	PC1. Ensure patient identification and obtain patient's informed consent		
	PC2. Explain the indication for the test and the procedure to the patient		
	PC3. Set up pericardiocentesis tray		
Knowledge and Unders	tanding (K)		
A. Organizational	The user/individual on the job needs to know and understand:		
Context	KA1. Organization policies related to conducting pericardiocentesis		
(Knowledge of the	KA2. Importance of taking informed consent before the procedure		
company /	KA3. Protocol for reverse isolation/sterile procedure		
organization and	KA4. Roles and responsibilities as designated by the provider		
its processes)			
B. Technical	The user/individual on the job needs to know and understand how to:		
Knowledge	KB1. Assist physician with sterile gown and gloves		
	KB2. Use 2-D echo, locate the optimal echocardiographic window for needle insertion		
	as per the directions of cardiologist		
	KB3. Assist physician, ensuring entry site is sterilized and covered		
	KB4. Clean and sterilize equipment		
Skills (S)	Marine Cliff		
A. Core Skills/ Generic Skills	Writing Skills		
Generic Skills	The user/individual on the job needs to know and understand how to:		
	SA1. Obtain patient data and complete worksheets		
	SA2. Record the amount of fluid aspirated from the pericardial sac		
	Reading Skills		
	The user/individual on the job needs to know and understand how to:		
	SA3. Read the organisational and departmental protocols and new additions		
	SA4. Read new clinical protocols and orders given by medical officer or any other		
	provider institute		
	SA5. Read the equipment instructions		
	Oral Communication (Listening and Speaking skills)		



HSS/N0105 Assist with pericardiocentesis procedure by echocardiography

	The user/individual on the job needs to know and understand how to: SA6. Interact with the patient and listen to the instructions attentively SA7. Explain test procedures to patient to obtain cooperation and reduce anxiety
B. Professional Skills	Decision Making
	Not Applicable
	Plan and Organize
	The user/individual on the job needs to know:
	SB1. How to plan and organise the procedure
	Customer Centricity
	The user/individual on the job needs to know and understand how to: SB2. Communicate effectively with patients and their family, physicians, and other members of the health care team SB3. Maintain patient confidentiality
	Problem Solving
	The user/individual on the job needs to know and understand how to: SB4. Identify basic potential troubleshooting techniques when an inaccurate system is identified SB5. Assist in Identifying potential complications
	Analytical Thinking
	The user/individual on the job needs to know and understand how to: SB6. Assess the situation and implement appropriate intervention under the guidance of provider
	Critical Thinking
	The user/individual on the job needs to know and understand how to:
	SB7. Analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

NOS Code	HSS/N0105		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16



MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of a Cardiac care technician assisting provider during implantation of pacemakers by establishing lead integrity.



HSS/N0106 Assist with implant of pacemakers by establishing lead integrity

Office ficie	HSS/N0106 Assist with implant of pacemakers by establishing lead integrity
(Task) Description	This OS unit is about cardiac care technician assisting with implantation of pacemakers
	by establishing lead integrity as pacemaker can have one wire leading to the RV or two wire, one to the right atrium (RA), and another one to the RV and hence paces both right heart chambers in sequence This unit/task covers the following:
Scope	Assisting cardiologist in implanting permanent pacemaker which continuously monitors heart's natural rhythm and will stimulate the heart to beat when it senses that heart rhythm is too slow
Performance Criteria(PC	C) w.r.t. the Scope
Element	Performance Criteria
	To be competent, the user/individual on the job must be able to: PC1. Confirm identity of patient PC2. Explain procedure and have patient sign informed consent PC3. Prepare table and assist in patient transfer PC4. Follow the instructions to determine the type of the lead to be used
Knowledge and Underst	tanding (K)
A. Organizational Context (Knowledge of the company / organization and its processes) B. Technical Knowledge	The user/individual on the job needs to: KA1. Take appropriate action and/or assist in situations which require immediate response KA2. The profession's Code of conduct, Standards of Practice and policies and procedures as set out by the organization KA3. The roles and responsibilities as designated The user/individual on the job needs to know how to: KB1. Establish intrinsic rate and set paced rate, assisting with temporary pacing procedures when required KB2. Measures capture threshold, lead impedance, current drain, and sensitivity KB3. Check if second lead is required KB4. Assess diaphragmatic stimulation and micro lead dislodgement as per protocol KB5. Constantly monitor and record data and advise accordingly KB6. Complete documentation, including registration of leads and generator as well as required reports for the chart KB7. Re-establish rhythm by following institute protocols KB8. Assist with lead ex-plants as per facility protocol
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills The user/ individual on the job needs to: SA1. Record and assess cardiac activity and provide preliminary reports Reading Skills



HSS/N0106 Assist with implant of pacemakers by establishing lead integrity

	The user/individual on the job needs to know and understand how to: SA2. Read the organisational and departmental protocols and new additions SA3. Read new clinical protocols and orders given by medical officer or any other provider institute
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA4. Interact with patients to make them comfortable and to collect information SA5. Explain procedures to the patient and answer patient's queries SA6. Instruct medication and other post-procedure care to patient SA7. Comfort patient suffering discomfort during a procedure
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand:
	SB1. How to take decisions regarding information received from physician
	Plan and Organize
	The user/individual on the job needs to know and understand:
	SB2. How to take appropriate action and/or assist in situations which require immediate response
	Customer Centricity
	The user/individual on the job needs to provide appropriate education to the patient
	and family about: SB3. Placement of the pacemaker generator and leads in relation to the heart SB4. How the pacemaker works and the rate at which it is set SB5. Battery replacement and battery life and replacement procedures SB6. How to take and record the pulse rate SB7. Incision care and signs of infection SB8. Avoid wearing tight-fit clothing over the pacemaker site to reduce irritation and
	avoid skin breakdown SB9. Carrying the pacemaker identification card at all times
	SB10. Not to hold or use certain electrical devices over the pacemaker site, including
	household appliances or tools, garage door openers, antitheft devices, or burglar alarms
	SB11. Maintaining follow-up care with the physician as recommended
	Problem Solving
	The user/individual on the job needs to know and understand how to: SB12. Use experience and training to respond to the diverse needs of patients
	Analytical Thinking
	The user/individual on the job needs to: SB13. Accurately assess patient's condition, noting level of distress
	Critical Thinking
	The user/individual on the job needs to know and understand how to: SB14. Analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently



HSS/N0106

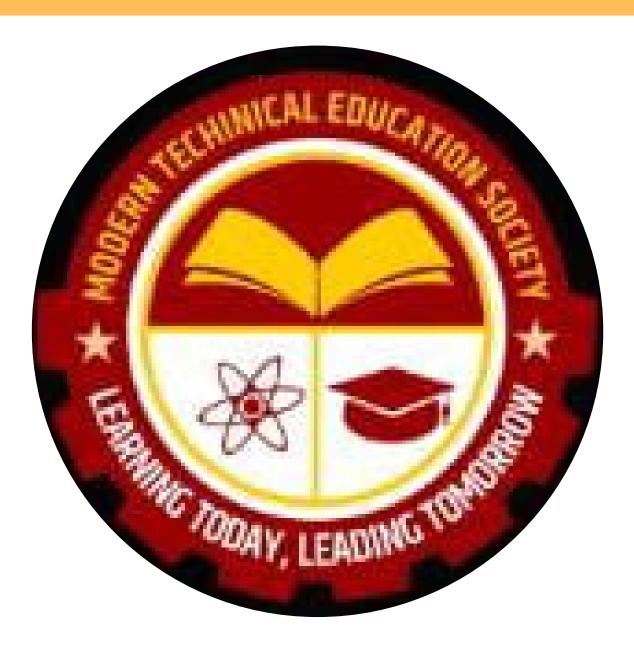
Assist with implant of pacemakers by establishing lead integrity

NOS Code	HSS/N0106		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16





MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of a Cardiac care technician assisting with insertion of temporary pacemakers.



HSS/N0107 Assist with insertion of temporary pacemakers

Unit Title (Task)	HSS/N0107 Assist with insertion of temporary pacemakers This OS unit is about cardiac care technician assisting with insertion of temporary			
Description	pacemakers			
	This unit/task covers the following :			
Scope	Assisting cardiologist in pacemaker insertion which continuously monitors heart's natural rhythm and will stimulate the heart to beat when it senses that heart rhythm is too slow			
Performance Criteria(P	C) w.r.t. the Scope			
Element	Performance Criteria			
	To be competent, the user/individual on the job must: PC1. Ensure patient identification PC2. Explain procedure and take informed consent PC3. Prepare table and assist in patient transfer PC4. Ensure that a defibrillator and other resuscitation equipment are immediately accessible			
	PC5. Ensure that strict aseptic technique is used like using a mask, gown and gloves			
Knowledge and Understanding (K)				
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to: KA1. The profession's Code of conduct, Standards of Practice and policies and procedures as set out by the organisation KA2. The roles and responsibilities as designated			
B. Technical Knowledge	The user/individual on the job needs to know how to: KB1. Prepare insertion site (groin or neck) and drape patient with sterile sheets KB2. Connect cable to pacemaker once pacing lead wire is positioned KB3. Establish a sensing threshold and capture threshold KB4. Assist in setting milli ampere output, sensing and heart rate according to findings KB5. Assist with dismantling of sterile field and clean equipment KB6. Transport patient to designated area while on defibrillator monitor KB7. Position pacing wire correctly and remove the introducer sheath carefully KB8. Perform a chest X-ray to confirm a satisfactory position of the wire and to exclude a pneumothorax			
Skills (S)				
A. Core Skills/ Generic Skills	Writing Skills The user/individual on the job peeds to:			
	The user/ individual on the job needs to: SA1. Record and assess cardiac activity and provide preliminary reports			
	Reading Skills			



HSS/N0107 Assist with insertion of temporary pacemakers

	The user/individual on the job needs to know and understand how to:
	SA2. Read the organisational and departmental protocols and new additions
	SA3. Read new clinical protocols and orders given by medical officer or any other
	provider institute
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA4. Interact with patients to make them comfortable and to collect information
	SA5. Explain procedures to the patient and answer patient's queries
	SA6. Instruct medication and other post-procedure care to patient
D - 1 - 1 - 1 - 1	SA7. Comfort patient suffering discomfort during a procedure
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand:
	SB1. How to take decisions regarding information received from physician
	Plan and Organize
	The user/individual on the job needs to know and understand:
	SB2. How to take appropriate action and/or assist in situations which require
	immediate response
	Customer Centricity
	The user/individual on the job needs to provide appropriate teaching to the patient
	and family about:
	SB3. State risks and benefits where applicable
	SB4. Educate patients' so they can assess their condition and know when to seek
	assistance
	Problem Solving
	The user/individual on the job needs to know and understand how to:
	SB5. Use experience and training to respond to the diverse needs of patients
	Analytical Thinking
	The user/individual on the job needs to: SB6. Accurately assess patient's condition,
	noting level of distress
	Critical Thinking
	The user/individual on the job needs to know and understand how to:
	SB7. Analyse, evaluate and apply the information gathered from observation,
	experience, reasoning, or communication to act efficiently
	experience, reasoning, or communication to determining



Assist with insertion of temporary pacemakers

NOS Code	HSS/N0107		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16





MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of a Cardiac care technician to use equipment proficiently.



Demonstrate proficiency in using equipment

Unit Code Unit Title (Task)	HSS/N0108 Demonstrate proficiency in using equipment This OS unit is about cardiac care technician demonstrating proficiency in using			
Description	equipment. This unit/task covers the following:			
Scope Selecting, setting up, calibrating, operating, maintaining and troubleshooting a range of commonly used equipment				
Performance Criteria(Pe	C) w.r.t. the Scope			
Element	Performance Criteria			
	To be competent, the user/individual on the job must be able to: PC1. Prepare the cardiovascular equipment and hemodynamic monitoring system in preparing for various diagnostic procedure treatment PC2. Prepare the physiologic and analytical equipment during diagnostic and therapeutic procedures performed by the physician PC3. Assists in the performance of diagnostic cardiac equipment PC4. Interpret pressure waveforms and operates all physiological recording equipment PC5. Perform procedures on equipment such as: Calipers Computers/keyboards/databases Single-channel and three channel electrocardiographs Ambulatory ECG recorder/monitor Ambulatory ECG analysis systems Oscilloscopes Treadmills and stress system recording devices Ergometer and bicycle Digital, mercury, aneroid Sphygmomanometers Oxygen saturation devices External pacemakers External defibrillators External pacing systems ECG management systems ECG/BP computer systems Simulators Intravenous pumps Tilt table Stethoscope Resuscitation cart Transtelephonic recorders Oxygen regulators Suction devices Ambulatory blood pressure recorders/monitors Pacing leads Esophageal pacing leads			



Demonstrate proficiency in using equipment

Vacual day and Unders	Temporary pacemakers Pacemaker minclinic Pacemaker magnet All types of electrodes Pacemaker system analysers PC6. Identify new equipment and accessories that are needed PC7. Review technical specifications of equipment required PC8. Compare cost/benefits of equipment to assist in purchasing recommendation
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. Follow protocols for procedure KA2. Regulatory framework for medical equipment KA3. Equipment acquisition within the organisation
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. How to use the equipment KB2. The technical specification of equipment KB3. How to properly lift and move various types of equipment
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills The user/ individual on the job needs to: SA1. Note the start and stop time of an equipment during procedure
	Reading Skills
	The user/individual on the job needs to know and understand how to: SA2. Read the instructions on the equipment SA3. Read the different alerts that are displayed on some equipment while operating SA4. Read MSDS
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA5. Explain equipment's test procedures to patient to obtain cooperation and reduce anxiety
B. Professional Skills De	cision Making
	The user/individual on the job needs to know and understand: SB1. Which equipment to use as per the requirement Plan and Organize The user/individual on the job needs to know and understand:
	SB2. How to plan and organise activities that are assigned
	Customer Centricity
	The user/individual on the job needs to know and understand how to: SB3. Communicate effectively with patients and their family, physicians, and other members of the health care team



Demonstrate proficiency in using equipment

SB4. Maintain patient confidentiality
Problem Solving
The user/individual on the job needs to know and understand how to: SB5. Inspect equipment to ensure proper working order and take any corrective actions as required
Analytical Thinking
The user/individual on the job needs to:
SB6. Know how to perform the procedure
Critical Thinking
The user/individual on the job needs to know and understand how to:
SB7. Analyse, evaluate and apply the information gathered from observation,
experience, reasoning, or communication to act efficiently

NOS Code	HSS/N0108		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16



MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of an allied health professional to ensure adequate availability of diagnostic kits, primary care medicines, treatment and other medical supplies at all times.



Ensure availability of medical and diagnostic supplies

Linit Codo	the fire and
Unit Code	HSS/N9602
Unit Title	Ensure availability of medical and diagnostic supplies
(Task)	This OS unit is about ensuring availability of medical and diagnostic supplies to meet
Description	actual and anticipated demand. This OS unit is applicable to all allied health
, , , , , , , , , , , , , , , , , , ,	professionals required to maintain a supply of medical or diagnostic materials
	This unit/task covers the following:
	,
Scope	
'	Anticipating demand and ensuring availability of adequate medical and
	diagnostic supplies
Performance Criteria(Po	C) w.r.t. the Scope
Element	Performance Criteria
	To be competent, the user/individual on the job must be able to:
	PC1. Maintain adequate supplies of medical and diagnostic supplies
	PC2. Arrive at actual demand as accurately as possible
	PC3. Anticipate future demand based on internal, external and other contributing
	factors as accurately as possible
	PC4. Handle situations of stock-outs or unavailability of stocks without
	compromising health needs of patients/ individuals
	compromising neutrineeds of patients, marriadals
Knowledge and Unders	tanding (K)
A. Organizational	The user/individual on the job needs to know and understand:
Context	KA1. Centres for restocking supplies
(Knowledge of the	KA2. Guidelines on anticipating demand for medical and diagnostic supplies
company /	KA3. Contents of all diagnostic and medical kits
organization and	KA4. Guidelines on procurement and storage of medical and diagnostic kits
its processes)	
its processes,	
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	
Kilowieuge	KB1. How to arrive at actual demand for medical and diagnostic supplies
	KB2. How to anticipate demand
	KB3. How to maintain/ safely store existing supplies
	KB4. How to maintain records of available supplies
	KB5. How to request additional supplies
Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	
Generic Skills	The user/ individual on the job needs to know and understand how to:
	SA1. Write at least one local/ official language used in the local community
	SA2. Write at least one local, official language used in the local community SA2. Write well enough to be classified as literate
	SA3. Record availability of supplies
	SA4. Provide written requests for additional supplies when required
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA5. Read well enough to be classified as literate
	SA6. Read records and registers for medical supplies
	,,,
	SA7. Read instructions and pamphlets provided as part of training for ordering or



Ensure availability of medical and diagnostic supplies

	maintaining
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA8. Speak at least one local language SA9. Communicate effectively to request additional supplies when required
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to:
	SB1. Decide on the level of anticipated demand
	SB2. Decide when to procure additional supplies
	SB3. Decide quantities of medical supplies to request
	Plan and Organize
	The user/individual on the job needs to know and understand:
	SB4. How to plan availability of medical supplies
	SB5. How to place requests for supplies ahead of time in order to have adequate
	supplies at all times
	Customer Centricity
	The user/individual on the job needs to know and understand how to:
	SB6. Cater to the need of patients/ individuals for specific medical supplies
	Problem Solving
	The user/individual on the job needs to know and understand how to:
	SB7. Handle non-availability of medical supplies or diagnostic kits when required
	Analytical Thinking
	Not applicable
	Critical Thinking
	Not applicable

NOS Code	HSS/N9602		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation	Cardiac Care Technician	Next review date	24/12/16



MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding, skills required of an Allied Health Professional to recognise the boundaries of the role and responsibilities and working within the level of competence in accordance with legislation, protocols and guidelines.



Act within the limits of one's competence and authority

Unit Code	HSS/N9603
Unit Title	Act within the limits of one's competence and authority
(Task)	This OS unit is about recognizing the boundaries of the role and responsibilities and
Description	working within the level of competence in accordance with legislation, protocols and
	guidelines This is applicable to all Allied Health Professionals working in an erganised, regulated
	This is applicable to all Allied Health Professionals working in an organised, regulated environment
	This unit/task covers the following:
	This unity task covers the following.
Scope	
	Acting within the limit of one's competence and authority;
	Knowing @ne's job role
	Knowing O ne's job responsibility
	RecognizMg the job role and responsibilities of co workers
	Reference: 'This National Occupational Standard is from the UK Skills for Health suite
	[SFHGEN63, Act within the limits of your competence and authority] It has been
	tailored to apply to healthcare in India and has been reproduced with their
	Permission'.
Performance Criteria(P	C) w.r.t. the Scope
Element	Performance Criteria
	To be competent, the user/individual on the job must be able to:
	PC1. Adhere to legislation, protocols and guidelines relevant to one's role and field of
	practice
	PC2. Work within organisational systems and requirements as appropriate to one's
	role
	PC3. Recognise the boundary of one's role and responsibility and seek supervision
	when situations are beyond one's competence and authority
	PC4. Maintain competence within one's role and field of practice
	PC5. Use relevant research based protocols and guidelines as evidence to inform
	one's practice
	PC6. Promote and demonstrate good practice as an individual and as a team member
	at all times
	PC7. Identify and manage potential and actual risks to the quality and safety of
	practice
	PC8. Evaluate and reflect on the quality of one's work and make continuing
	improvements
Knowledge and Unders	tanding (K)
A. Organizational	The user/individual on the job needs to know and understand:
Context	KA1. The relevant legislation, standards, policies, and procedures followed in the
(Knowledge of the	organization
company / organization and	KA2. The medical procedures and functioning of required medical equipment KA3. Role and importance of assisting other healthcare providers in delivering care
its processes)	



HSS/N9603

HSS/N9603	
B. Technical	Act within the limits of one's competence and authority
Knowledge	The user/individual on the job needs to know and understand: KB1. The boundaries of one's role and responsibilities and other team members KB2. The reasons for working within the limits of one's competence and authority KB3. The importance of personally promoting and demonstrating good practice KB4. The legislation, protocols and guidelines effecting one's work KB5. The organisational systems and requirements relevant to one's role KB6. The sources of information that can be accessed to maintain an awareness of research and developments in one's area of work KB7. The difference between direct and indirect supervision and autonomous practice, and which combination is most applicable in different circumstances KB8. The risks to quality and safety arising from: o Working outside the boundaries of competence and authority O Not keeping up to date with best practice o Poor communication o Insufficient support o Lack of resources KB9. The importance of individual or team compliance with legislation, protocols, and guidelines and organisational systems and requirements KB10. How to Report and minimise risks KB11. The principle of meeting the organisation's needs, and how this should enable one to recognise one's own limitations and when one should seek support from others KB12. The processes by which improvements to protocols/guidelines and organisational systems/requirements should be reported KB13. The procedure for accessing training, learning and development needs for oneself and/or others within one's organisation KB14. The actions that can be taken to ensure a current, clear and accurate understanding of roles and responsibilities is maintained, and how this affects the way one work as an individual or part of a team
Chille (C)	
Skills (S)	Weight - Chille
A. Core Skills/	Writing Skills
Generic Skills	The user/ individual on the job needs to know and understand how to: SA1. Document reports, task lists, and schedules SA2. Prepare status and progress reports SA3. Record daily activities SA4. Update other co-workers Reading Skills The user/individual on the job needs to know and understand how to: SA5. Read about changes in legislations and organizational policies SA6. Keep updated with the latest knowledge
	Oral Communication (Listening and Speaking skills)



Act within the limits of one's competence and authority

	The user/individual on the job needs to know and understand how to:
	SA7. Discuss task lists, schedules, and work-loads with co-workers
	SA8. Give clear instructions to patients and co-workers
	SA9. Keep patient informed about progress
	SA10. Avoid using jargon, slang or acronyms when communicating with a patient
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to:
	SB1. Make decisions pertaining to the concerned area of work in relation to job role
	Plan and Organize
	Not applicable
	Customer Centricity
	·
	The user/individual on the job needs to know and understand how to:
	SB2. Communicate effectively with patients and their family, physicians, and other
	members of the health care team
	SB3. Be responsive and listen empathetically to establish rapport in a way that
	promotes openness on issues of concern
	SB4. Be sensitive to potential cultural differences
	SB5. Maintain patient confidentiality
	SB6. Respect the rights of the patient(s)
	Problem Solving
	Not applicable
	Analytical Thinking
	Not applicable
	Critical Thinking
	Not applicable



Act within the limits of one's competence and authority

NOS Code	HSS/N9603		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation		Next review date	24/12/16



Work effectively with others

MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding, skills required of an Allied Health Professional to work effectively with other people and integrate one's work the work of other people



Work effectively with others

Unit Code	HSS/N9604
Unit Title	H33/N3004
(Task)	Work effectively with others
Description	This OS unit is about working effectively with other people who can be part of the immediate team, organisation or external to the team or organisation This OS unit applies to all Allied health professionals working in a team or collaborative environment
Scope	This unit/task covers the following:
	Working with other people to meet requirements, Sharing information with others to enable efficient delivery of work, Communicating with other team members and people internal or external to the organisation
Performance Criteria(P	C) w.r.t. the Scope
Element	Performance Criteria
	To be competent, the user/ individual on the job must be able to: PC1. Communicate with other people clearly and effectively PC2. Integrate one's work with other people's work effectively PC3. Pass on essential information to other people on timely basis PC4. Work in a way that shows respect for other people PC5. Carry out any commitments made to other people PC6. Reason out the failure to fulfil commitment
	PC7. Identify any problems with team members and other people and take the
	initiative to solve these problems
	PC8. Follow the organisation's policies and procedures
Knowledge and Unders	
A. Organizational Context (Knowledge of the company / organization and its processes)	To be competent the user/ individual on the job needs to know and understand: KA1. The people who make up the team and how they fit into the work of the organisation KA2. The responsibilities of the team and their importance to the organisation KA3. The business, mission, and objectives of the organisation KA4. Effective working relationships with the people external to the team, with which the individual works on a regular basis KA5. Procedures in the organisation to deal with conflict and poor working relationships
B. Technical Knowledge	To be competent the user/ individual on the job needs to know and understand: KB1. The importance of communicating clearly and effectively with other people and how to do so face-to-face, by telephone and in writing KB2. The essential information that needs to be shared with other people KB3. The importance of effective working relationships and how these can contribute towards effective working relationships on a day-to-day basis KB4. The importance of integrating ones work effectively with others KB5. The types of working relationships that help people to work well together and the types of relationships that need to be avoided KB6. The types of opportunities an individual may seek out to improve relationships with others KB7. How to deal with difficult working relationships with other people to sort out



Work effectively with others

	problems
Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	To be competent, the user / individual on the job needs to know and understand how to: SA1. Communicate essential information in writing SA2. Write effective communications to share information with the team members and other people outside the team Reading Skills To be competent, the user/individual on the job needs to know and understand how
	to:
	SA3. Read and understand essential information Oral Communication (Listening and Speaking skills)
	To be competent, the user/ individual on the job needs to know and understand how
	to: SA4. Communicate essential information to colleagues face-to-face or through telecommunications SA5. Question others appropriately in order to understand the nature of the request or compliant Decision Making
B. Professional Skills	To be competent, the user/ individual on the job needs to know and understand how to: SB1. Make decisions pertaining to work Plan and Organize
	To be competent, the user/ individual on the job needs to know and understand how to: SB2. Plan and organise files and documents Customer Centricity
	To be competent, the user/ individual on the job needs to know and understand how
	to: SB3. Communicate effectively with patients and their family, physicians, and other members of the health care team SB4. Be capable of being responsive, listen empathetically to establish rapport in a way that promotes openness on issues of concern SB5. Be sensitive to potential cultural differences SB6. Maintain patient confidentiality SB7. Respect the rights of the patient(s) Problem Solving
	To be competent, the user/ individual on the job needs to know and understand how
	to: SB8. Identify problems while working with others and devise effective solutions Analytical Thinking
	Not applicable



Work effectively with others

Critical Thinking
Not applicable

NOS Code	HSS/N9604		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation		Next review date	24/12/16





MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding, skills required of an Allied Health professional to plan and organise work to meet requirements



Manage work to meet requirements

Unit Code	HSS/N9605	
Unit Title	Manage work to meet requirements	
Description	This OS unit is about planning and organising work and developing oneself further in the organisation This unit applies to all Allied Health professionals	
Scope	This unit/task covers the following: Establishing and managing requirements ,Planning and organising work, ensuring accomplishment of the requirements	
Performance Criteria(P	C) w.r.t. the Scope	
Element	Performance Criteria	
	To be competent, the user/ individual on the job must be able to: PC1. Clearly establish, agree, and record the work requirements PC2. Utilise time effectively PC3. Ensure his/her work meets the agreed requirements PC4. Treat confidential information correctly PC5. Work in line with the organisation's procedures and policies and within the limits of his/her job role	
Knowledge and Unders		
A. Organizational Context (Knowledge of the company / organization and its processes)	To be competent, the user / individual on the job needs to know and understand: KA1. The relevant policies and procedures of the organisation KA2. The information that is considered confidential to the organisation KA3. The scope of work of the role	
B. Technical Knowledge	To be competent, the user/individual on the job needs to know and understand: KB1. The importance of asking the appropriate individual for help when required KB2. The importance of planning, prioritising and organising work KB3. The importance of clearly establishing work requirement KB4. The importance of being flexible in changing priorities when the importance and urgency comes into play KB5. How to make efficient use of time, and to avoid things that may prevent work deliverables from being expedited KB6. The importance of keeping the work area clean and tidy KB7. Areas of work that are not a priority and why it is necessary to keep one's effort in that direction to a minimum KB8. To change work plans when necessary KB9. The importance of confidentiality KB10. The importance in completing work on time	
Skills (S)		
A. Core Skills/	Writing Skills	



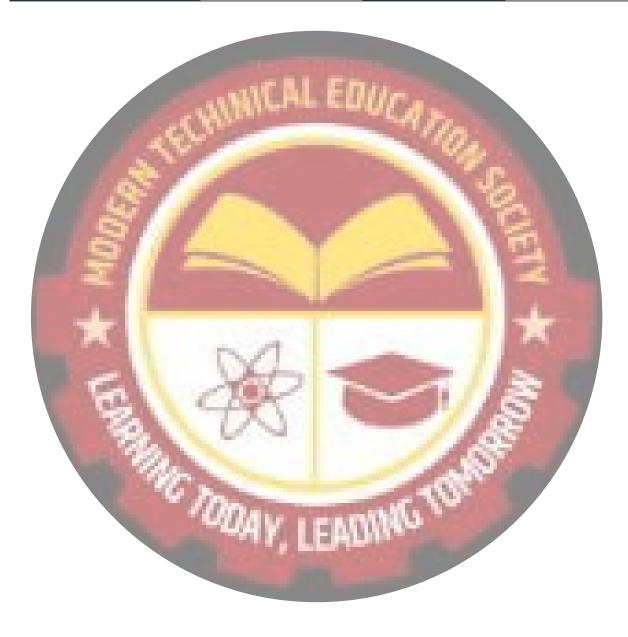
Manage work to meet requirements

Generic Skills	To be competent, the user/individual on the job needs to know and understand how to: SA1. Report progress and results SA2. Record problems and resolutions Reading Skills To be competent, the user / individual on the job needs to know and understand how to: SA3. Read organisational policies and procedures
	SA4. Read work related documents and information shared by different sources
	Oral Communication (Listening and Speaking skills)
	To be competent, the user/ individual on the job needs to know and understand how to:
	SA5. Report progress and results
	SA6. Interact with other individuals
	SA7. Negotiate requirements and revised agreements for delivering them
B. Professional Skills	Decision Making To be competent, the user/ individual on the job needs to know and understand how to:
	SB1. Make decisions pertaining to the work
	Plan and Organize
	To be competent, the user/ individual on the job needs to know and understand how
	to:
	SB2. Plan and organise files and documents
	Customer Centricity
	To be competent, the user/ individual on the job needs to know and understand how to:
	SB3. Communicate effectively with patients and their family, physicians, and other
	members of the health care team
	SB4. Be sensitive to potential cultural differences
	SB5. Maintain patient confidentiality
	SB6. Respect the rights of the patient(s)
	Problem Solving
	To be competent, the user/individual on the job needs to know and understand how
	to:
	SB7. Understand problems and suggest an optimum solution after evaluating
	possible solutions
	Analytical Thinking
	Not applicable
	Critical Thinking
	Not applicable



Manage work to meet requirements

NOS Code	HSS/N9605		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation		Next review date	24/12/16





MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding, skills required of an Allied Health Professional to monitor the working environment, and making sure it meets health, safety and security requirements.



Maintain a safe, healthy, and secure working environment

Unit Code HSS/N9606		
Unit Title (Task)	Maintain a safe, healthy, and secure working environment This OS unit is about monitoring the working environment and ensuring a safe,	
Description	healthy, secure and effective working conditions This OS unit applies to all Allied Health professionals working within an organised workplace This unit covers the following:	
Scope	Complying the health, safety and security requirements and procedures for Workplace Handling any hazardous situation with safely, competently and within the limits of authority Reporting any hazardous situation and breach in procedures to ensure a safe, healthy, secure working environment	
Performance Criteria	(PC) w.r.t. the Scope	
Element	Performance Criteria	
	To be competent, the user/ individual on the job must be able to: PC1. Identify individual responsibilities in relation to maintaining workplace health safety and security requirements PC2. Comply with health, safety and security procedures for the workplace PC3. Report any identified breaches in health, safety, and security procedures to the designated person PC4. Identify potential hazards and breaches of safe work practices PC5. Correct any hazards that individual can deal with safely, competently and within the limits of authority PC6. Promptly and accurately report the hazards that individual is not allowed to deal with, to the relevant person and warn other people who may get affected PC7. Follow the organisation's emergency procedures promptly, calmly, and efficiently PC8. Identify and recommend opportunities for improving health, safety, and security to the designated person PC9. Complete any health and safety records legibly and accurately	
Knowledge and Unde	rstanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	To be competent, the user/ individual on the job needs to know and understand: KA1. The importance of health, safety, and security in the workplace KA2. The basic requirements of the health and safety and other legislations and regulations that apply to the workplace KA3. The person(s) responsible for maintaining healthy, safe, and secure workplace KA4. The relevant up-to-date information on health, safety, and security that applies to the workplace KA5. How to report the hazard KA6. The responsibilities of individual to maintain safe, healthy and secure workplace	



HSS/N9606	Maintain a safe, healthy, and secure working environment
B. Technical	

Knowledge	To be competent, the user / individual on the job needs to know and understand: KB1. Requirements of health, safety and security in workplace KB2. How to create safety records and maintaining them KB3. The importance of being alert to health, safety, and security hazards in the work environment KB4. The common health, safety, and security hazards that affect people working in an administrative role KB5. How to identify health, safety, and security hazards KB6. The importance of warning others about hazards and how to do so until the hazard is dealt with
Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	To be competent, the user/ individual on the job needs to know and understand how to: SA1. Report and record incidents
	Reading Skills
	To be competent, the user/ individual on the job needs to know and understand how to:
	SA2. Read and understand company policies and procedures Oral Communication (Listening and Speaking skills)
	To be competent, the user/ individual on the job needs to know and understand how to: SA3. Clearly report hazards and incidents with the appropriate level of urgency
B. Professional Skills	Decision Making
	To be competent, the user/ individual on the job needs to know and understand how to:
	SB1. Make decisions pertaining to the area of work
	Plan and Organize To be competent, the user / individual on the job needs to know and understand how
	to: SB2. Plan for safety of the work environment
	Customer Centricity
	To be competent, the user / individual on the job needs to know and understand:
	SB3. Communicate effectively with patients and their family, physicians, and other members of the health care team
	SB4. Be capable of being responsive, listen empathetically to establish rapport in a way that promotes openness on issues of concern
	Problem Solving
	To be competent, the user/ individual on the job needs to know and understand how to: SB8. Identify hazards, evaluate possible solutions and suggest effective solutions



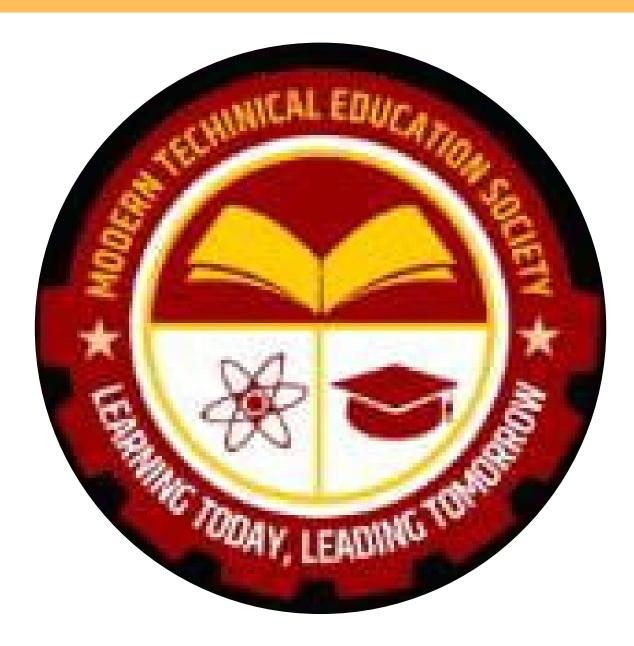
Maintain a safe, healthy, and secure working environment

Analytical Thinking
To be competent, the user needs to know and understand how to: SB9. Analyse the seriousness of hazards
Critical Thinking
To be competent, the user needs to know and understand how to: SB10. Analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

NOS Code	HSS/N9606		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation		Next review date	24/12/16



MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of an Allied Health professional to practice code of conduct setup by the healthcare provider.



Practice code of conduct while performing duties

Unit Title (Task)	HSS/N9607	
Description	Practice code of conduct while performing duties This OS unit is about following the rules, regulations and the code of conduct setup by the healthcare provider The Allied health professional must adhere to the protocols and guidelines relevant to the field and practice This OS unit applies to all Allied health professionals working in an organized environment and to whom specific regulations and codes of conduct apply This unit covers the following:	
Scope	Recognizing the guidelines and protocols relevant to the field and practice Following the code of conduct as described by the healthcare provider Demonstrating best practices while on the field	
Performance Criteria(PC	C) w.r.t. the Scope	
Element	Performance Criteria	
Knowledge and Underson A. Organizational Context	To be competent, the user/ individual on the job needs to know and understand: KA1. Relevant legislation, standards, policies, and procedures followed in the hospital	
(Knowledge of the company / organization and its processes)	KA2. How to engage and interact with other providers in order to deliver quality and maintain continued care KA3. Personal hygiene measures and handling techniques	
B. Technical Knowledge	To be competent, the user / individual on the job needs to know and understand: KB1. The limitations and scope of the role and responsibilities along with an understanding of roles and responsibilities of others KB2. The importance of working within the limits of one's competence and authority KB3. The detrimental effects of non-compliance KB4. The importance of personal hygiene KB5. The importance of intercommunication skills KB6. The legislation, protocols and guidelines related to the role KB7. The organisational systems and requirements relevant to the role KB8. The sources of information and literature to maintain a constant access to upcoming research and changes in the field KB9. The difference between direct and indirect supervision and autonomous	



Practice code of conduct while performing duties

	practice, and which combination is most applicable in different circumstances		
	KB10. Implications to quality and safety arising from:		
	Working outside the boundaries of competence and authority not keeping up		
	to date with best practice		
	poor communication		
	insufficient support		
	lack of resources		
	KB11. The organizational structure and the various processes related to reporting		
	and monitoring		
	KB12. The procedure for accessing training, learning and development needs		
Skills (S)	RB12. The procedure for accessing training, rearning and acveropment needs		
A. Core Skills/	Writing Skills		
Generic Skills			
Generic Skins	To be competent, the user/ individual on the job needs to know and understand how		
	to:		
	SA1. Document reports, task lists, and schedules with co-workers SA2. Prepare status and progress reports related to patient care		
	SA3. Update the physician and the other co-workers		
	Reading Skills		
	To be competent, the user/ individual on the job needs to know and understand how		
	to:		
	SA4. Read about procedures, regulations and guidelines related to the organization		
	and the profession		
	SA5. Keep updated with the latest knowledge by reading internal communications		
	and legal framework changes related to roles and responsibilities		
	Oral Communication (Listening and Speaking skills)		
	To be competent, the user/ individual on the job needs to know and understand how		
	to:		
	SA6. Interact with patients		
	SA7. Give clear instructions to patients, patients relatives and other healthcare		
	providers		
	SA8. Avoid using jargon, slang or acronyms, while communicating with a patient		
B. Professional Skills	Decision Making		
	To be competent, the user/ individual on the job needs to know and understand how		
	to:		
	SB1. Make decisions based on applicable regulations and codes of conduct when		
	possible conflicts arise		
	SB2. Act decisively by balancing protocols and work at hand		
	Plan and Organize		
	Not applicable		
	Customer Centricity		
	To be competent, the user / individual on the job needs to know and understand how		
	to:		
	SB3. Communicate effectively with patients and their family, physicians, and other		
	members of the health care team		
	SB4. Maintain patient confidentiality		
	584. Iviaintain patient confidentiality		



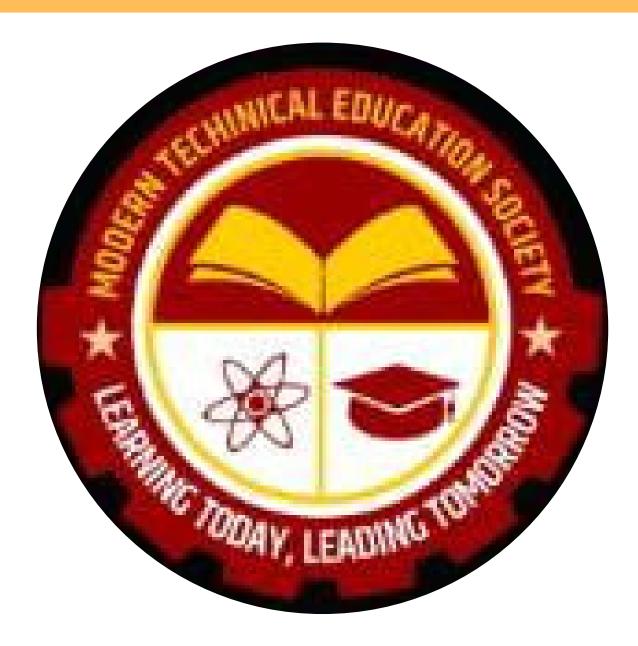
Practice code of conduct while performing duties

SB5. Respect the rights of the patient(s)
SB6. Respond patients' queries and concerns
SB7. Maintain personal hygiene to enhance patient safety
Problem Solving
Not applicable
Analytical Thinking
Not applicable
Critical Thinking
Not applicable

NOS Code	HSS/N9607		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation		Next review date	24/12/16



MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding and skills required of an Allied Health professional to manage biomedical waste



Follow biomedical waste disposal protocols

Unit Code			
Unit Title (Task)	HSS/N9609 Follow biomedical waste disposal protocols This OS unit is about the safe handling and management of health care waste		
Description	This OS unit is about the safe handling and management of health care waste. This unit applies to all Allied Health professionals.		
·	This unit/task covers the following:		
Scope	This unity task covers the following.		
	Classification of the Waste Generated, Segregation of Biomedical Waste		
	,Proper collection and storage of Waste		
	Reference: 'The content of this National Occupational Standard is drawn from the		
	UK Skills for Health NOS [SFHCHS212 Disposal of clinical and non-clinical waste within		
	healthcare and SFHCHS213 Implement an audit trail for managing waste within		
	healthcare]'		
Performance Criteria(P			
Element	Performance Criteria		
Element -	To be competent, the user/individual on the job must be able to:		
	PC1. Follow the appropriate procedures, policies and protocols for the method of		
	collection and containment level according to the waste type		
	PC2. Apply appropriate health and safety measures and standard precautions for		
	infection prevention and control and personal protective equipment relevant		
	to the type and category of waste		
	PC3. Segregate the waste material from work areas in line with current legislation		
	and organisational requirements		
PC4. Segregation should happen at source with proper containment, by using			
different color coded bins for different categories of waste			
	PC5. Check the accuracy of the labelling that identifies the type and content of waste		
	PC6. Confirm suitability of containers for any required course of action appropriate to the type of waste disposal		
	PC7. Check the waste has undergone the required processes to make it safe for transport and disposal		
	PC8. Transport the waste to the disposal site, taking into consideration its associated risks		
	PC9. Report and deal with spillages and contamination in accordance with current		
	legislation and procedures PC10 Maintain full accurate and legible records of information and store in correct		
	PC10. Maintain full, accurate and legible records of information and store in correct location in line with current legislation, guidelines, local policies and protocols		
	iocation in time with current registration, guidelines, rocal policies and protocols		
Knowledge and Unders	tanding (K)		
A. Organizational	The user/individual on the job needs to know and understand: KA1. Basic requirements of the health and safety and other legislations and		
Context	regulations that apply to the organization		
(Knowledge of the company /	KA2. Person(s) responsible for health, safety, and security in the organization		
organization and	KA3. Relevant up-to-date information on health, safety, and security that applies to		
	the organization		
	KA4. Organization's emergency procedures and responsibilities for handling		



Follow biomedical waste disposal protocols

its processes)	hazardous situations
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	KB1. How to categorise waste according to national, local and organisational guidelines
	KB2. The appropriate approved disposal routes for waste
	KB3. The appropriate containment or dismantling requirements for waste and
	how to make the waste safe for disposal
	KB4. The importance to adhere to the organisational and national waste
	management principles and procedures
	KB5. The hazards and risks associated with the disposal and the importance of risk
	assessments and how to provide these
	KB6. The personal protective equipment required to manage the different types of waste generated by different work activities
	KB7. The importance of working in a safe manner when carrying out procedures
	for biomedical waste management in line with local and national policies and
	legislation
	KB8. The required actions and reporting procedures for any accidents, spillages and contamination involving waste
	KB9. The requirements of the relevant external agencies involved in the transport and receipt of your waste
	KB10. The importance of segregating different types of waste and how to do this KB11. The safe methods of storage and maintaining security of waste and the
	permitted accumulation times
	KB12. The methods for transporting and monitoring waste disposal and the
	appropriateness of each method to a given scenario KB13. How to report any problems or delays in waste collection and whereto seek
	advice and guidance
	KB14. The importance of the organisation monitoring and obtaining an assessment
	of the impact the waste has on the environment
	KB15. The current national legislation, guidelines, local policies and protocols
	which affect work practice
	KB16. The policies and guidance that clarify your scope of practice, accountabilities and the working relationship between yourself and others
Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	The user/ individual on the job needs to know and understand how to: SA1. Report and record incidents
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA2. Read and understand company policies and procedures for managing biomedical waste
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA3. Report hazards and incidents clearly with the appropriate level of urgency
B. Professional Skills	Decision Making
D. TTOTESSIONAL SKIIIS	



Follow biomedical waste disposal protocols

The user/individual on the job needs to know and understand how to:

SB1. Make decisions pertaining to the area of work

SB2. Exhibit commitment to the organization and exert effort and perseverance

Plan and Organize

The user/individual on the job needs to know and understand how to:

SB3. Organize files and documents

SB4. Plan for safety of the work environment

SB5. Recommend and implement plan of action

Customer Centricity

The user/individual on the job needs to know and understand:

SB6. How to make exceptional effort to keep the environment and work place clean

Problem Solving

The user/individual on the job needs to know and understand how to:

SB7. Identify hazards and suggest effective solutions to identified problems of waste management

Analytical Thinking

The user/individual on the job needs to know and understand how to:

SB8. Analyse the seriousness of hazards and proper waste management

Critical Thinking

The user/individual on the job needs to know and understand how to:

SB9. Evaluate opportunities to improve health, safety and security

SB10. Show understanding and empathy for others

NOS Code	HSS/N9609		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation		Next review date	24/12/16



MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding, skills required of an Allied Health professional to comply with infection control policies and procedures



Follow infection control policies and procedures

Unit Code	HSS/N9610
Unit Title	Follow infection control policies and procedures This OS unit is about complying with infection control policies and procedures. It is
(Task)	applicable to workers who are responsible for workplace procedures to maintain
Description	Infection control.
	This unit applies to all Allied Health professionals.
	This unit/task covers the following:
Scope	
	Complying with an effective infection control protocols that ensures the
	safety of the patient (or end-user of health-related products/services)
	Maintaining personal protection and preventing the transmission of
	infections from person to person
Performance Criteria(P	C) w.r.t. the Scope
Element	Performance Criteria
	To be competent, the user/individual on the job must be able to:
	PC1. Preform the standard precautions to prevent the spread of infection in
	accordance with organisation requirements
	PC2. Preform the additional precautions when standard precautions alone may not
	be sufficient to prevent transmission of infection
	PC3. Minimise contamination of materials, equipment and instruments by aerosols
	and splatter
	PC4. Identify infection risks and implement an appropriate response within own
	role and responsibility
	PC5. Document and report activities and tasks that put patients and/or other
	workers at risk
	PC6. Respond appropriately to situations that pose an infection risk in accordance with the policies and procedures of the organization
	PC7. Follow procedures for risk control and risk containment for specific risks
	PC8. Follow protocols for care following exposure to blood or other body fluids as
	required
	PC9. Place appropriate signs when and where appropriate
	PC10. Remove spills in accordance with the policies and procedures of the
	organization
	PC11. Maintain hand hygiene by washing hands before and after patient contact
	and/or after any activity likely to cause contamination
	PC12. Follow hand washing procedures
	PC13. Implement hand care procedures
	PC14. Cover cuts and abrasions with water-proof dressings and change as necessary
	PC15. Wear personal protective clothing and equipment that complies with Indian
	Standards, and is appropriate for the intended use
	PC16. Change protective clothing and gowns/aprons daily, more frequently if soiled
	and where appropriate, after each patient contact
	PC17. Demarcate and maintain clean and contaminated zones in all aspects of
	health care work
	PC18. Confine records, materials and medicaments to a well-designated clean zone



Follow infection control policies and procedures

PC19. Confine contaminated instruments and equipment to a well-designated
contaminated zone
PC20. Wear appropriate personal protective clothing and equipment in accordance

PC20. Wear appropriate personal protective clothing and equipment in accordance with occupational health and safety policies and procedures when handling waste

PC21. Separate waste at the point where it has been generated and dispose of into waste containers that are colour coded and identified

PC22. Store clinical or related waste in an area that is accessible only to authorised persons

PC23. Handle, package, label, store, transport and dispose of waste appropriately to minimise potential for contact with the waste and to reduce the risk to the environment from accidental release

PC24. Dispose of waste safely in accordance with policies and procedures of the organisation and legislative requirements

PC25. Wear personal protective clothing and equipment during cleaning procedures

PC26. Remove all dust, dirt and physical debris from work surfaces

PC27. Clean all work surfaces with a neutral detergent and warm water solution before and after each session or when visibly soiled

PC28. Decontaminate equipment requiring special processing in accordance with quality management systems to ensure full compliance with cleaning, disinfection and sterilisation protocols

PC29. Dry all work surfaces before and after use

PC30. Replace surface covers where applicable

PC31. Maintain and store cleaning equipment

Knowledge and Understanding (K)

A. Organizational Context (Knowledge of the company / organization and its processes)

The user/individual on the job needs to know and understand:

KA1. The organization's infection control policies and procedures

KA2. Organization requirements relating to immunization, where applicable

KA3. Standard precautions

KA4. Good personal hygiene practice including hand care

B. Technical Knowledge

The user/individual on the job needs to know and understand:

KB1. Additional precautions

KB2. Aspects of infectious diseases including:

- opportunistic organisms

- pathogens

KB3. Basic microbiology including:

- bacteria and bacterial spores

- fungi

- viruses legislation

KB8. The required actions and reporting procedures for any accidents, spillages and contamination involving waste

KB9. The requirements of the relevant external agencies involved in the transport and receipt of your waste

KB10. The importance of segregating different types of waste and how to do this



HSS/N9610 Follow infection control policies and procedures

	KB4. How to clean and sterile techniques
	KB5. The path of disease transmission:
	- paths of transmission including direct contact and penetrating injuries
	- risk of acquisition
	- sources of infecting microorganisms including persons who are carriers, in
	the incubation phase of the disease or those who are acutely ill
	KB6. Effective hand hygiene:
	- procedures for routine hand wash
	- procedures for surgical hand wash
	- when hands must be washed
	KB7. Good personal hygiene practice including hand care
	KB8. Identification and management of infectious risks in the workplace
	KB9. How to use personal protective equipment such as:
	- guidelines for glove use
	- guidelines for wearing gowns and waterproof aprons
	- guidelines for wearing masks as required
	- guidelines for wearing protective glasses
	KB10. Susceptible hosts including persons who are immune suppressed, have
	chronic diseases such as diabetes and the very young or very old
	KB11. Surface cleaning:
	- cleaning procedures at the start and end of the day
	-managing a blood or body fluid spill
	- routine surface cleaning
	KB12. Sharps handling and disposal techniques
	KB13. The following:
	- Follow infection control guidelines
	- Identify and respond to infection risks
	- Maintain personal hygiene
	- Use personal protective equipment
	- Limit contamination
	- Handle, package, label, store transport and dispose of clinical and other
	waste
	- Clean environmental surfaces
Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	
	The user/ individual on the job needs to know and understand how to:
	SA1. Consistently apply hand washing, personal hygiene and personal protection
	protocols
	SA2. Consistently apply clean and sterile techniques
	SA3. Consistently apply protocols to limit contamination
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	· · · · · · · · · · · · · · · · · · ·
	SA4. Follow instructions as specified in the protocols
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to
	The user/individual on the job needs to know and understand how to:

SA6. Provide feedback (verbal and non-verbal) to encourage smooth flow of

SA5. Listen patiently



Follow infection control policies and procedures

	information
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to:
	SB1. Take into account opportunities to address waste minimization,
	environmental responsibility and sustainable practice issues
	SB2. Apply additional precautions when standard precautions are not sufficient
	Plan and Organize
	The user/individual on the job needs to:
	SB3. Consistently ensure instruments used for invasive procedures are sterile at time of use (where appropriate)
	SB4. Consistently follow the procedure for washing and drying hands SB5. Consistently limit contamination
	SB6. Consistently maintain clean surfaces and manage blood and body fluid spills
	Customer Centricity
	The user/individual on the job needs to know and understand how to:
	SB7. Be a good listener and be sensitive to patient
	SB8. Avoid unwanted and unnecessary communication with patients
	SB9. Maintain eye contact and non-verbal communication
	Problem Solving
	The user/individual on the job needs to know and understand how to:
	SB10. Communicate only facts and not opinions
	SB11. Give feedback when required
	Analytical Thinking
	The user/individual on the job needs to know and understand how to:
	SB12. Coordinate required processes effectively Critical Thinking
	The user/individual on the job needs to know and understand how to: SB13. Apply, analyse, and evaluate the information gathered from observation,
	experience, reasoning, or communication, as a guide to belief and action
	SB14. Take into account opportunities to address waste minimisation,
	environmental responsibility and sustainable practice issues



Follow infection control policies and procedures

NOS Code	HSS/N9610		
Credits (NSQF)	TBD	Version number	1.0
Industry	Health	Drafted on	12/05/13
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13
Occupation		Next review date	24/12/16





MODERN TECHNICAL EDUCATION SOCIETY



Overview

This Occupational Standard describes the knowledge, understanding, skills required of an Allied Health professional to monitor and assure quality



Monitor and assure quality

Unit Code	Use Nosaa			
Unit Title	HSS/N9611 Monitor and assure quality			
(Task)	This OS unit is about Assuring quality in all procedures.			
Description	This unit applies to all Allied Health professionals.			
·	This unit/task covers the following:			
Scope	Monitor treatment process/outcomes, Identify problems in treatment process/outcomes, Solve treatment process/outcome problems, Attend class/read publications to continue industry education, Identify needs and expectations of patient/health care professionals			
Performance Criteria (PC	rformance Criteria(PC) w.r.t. the Scope			
Element	Performance Criteria			
	To be competent, the user/individual on the job must be able to: PC1. Conduct appropriate research and analysis PC2. Evaluate potential solutions thoroughly PC3. Participate in education programs which include current techniques, technology and trends pertaining to the dental industry PC4. Read Dental hygiene, dental and medical publications related to quality consistently and thoroughly PC5. Report any identified breaches in health, safety, and security procedures to the designated person PC6. Identify and correct any hazards that he/she can deal with safely, competently and within the limits of his/her authority PC7. Promptly and accurately report any hazards that he/she is not allowed to deal with to the relevant person and warn other people who may be affected PC8. Follow the organisation's emergency procedures promptly, calmly, and efficiently PC9. Identify and recommend opportunities for improving health, safety, and security to the designated person PC10. Complete any health and safety records legibly and accurately			
Knowledge and Unders	inowledge and Understanding (K)			
A. Organizational Context (Knowledge of the company / organization and its processes) B. Technical Knowledge	The user/individual on the job needs to know and understand: KA1. Basic requirements of the health and safety and other legislations and regulations that apply to the organisation KA2. Person(s) responsible for health, safety, and security in the organisation KA3. Relevant up-to-date information on health, safety, and security that applies to the organisation KA4. Organisation's emergency procedures and responsibilities for handling hazardous situations The user/individual on the job needs to know and understand how to: KB1. Evaluate treatment goals, process and outcomes KB2. Identify problems/deficiencies in dental hygiene treatment goals, processes and outcomes KB3. Accurately identify problems in dental hygiene care KB4. Conduct research KB5. Select and implement proper hygiene interventions			

KB7. Conduct an honest self-evaluation to identify personal and professional



Monitor and assure quality

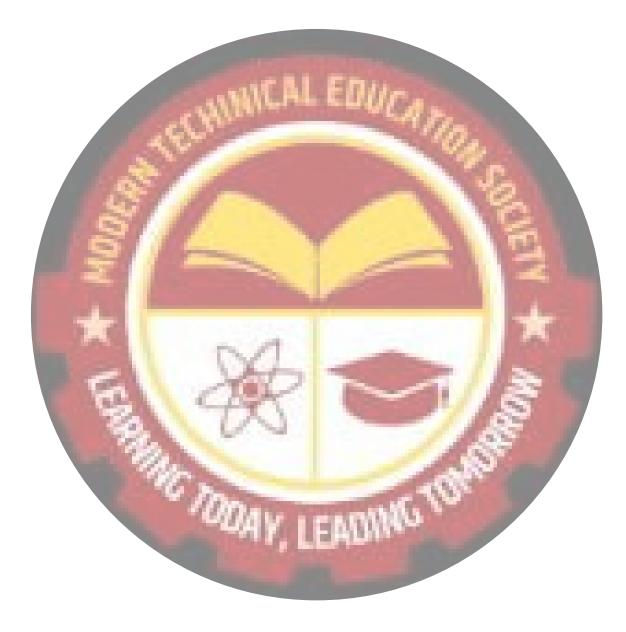
	strengths and weaknesses KB8. Access and interpret medical, and scientific literature KB9. Apply human needs/motivational theory KB10. Provide thorough and efficient individualised care KB11. Employ methods to measure satisfaction
Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	The user/ individual on the job needs to know and understand how to: SA1. Report and record incidents
	Reading Skills
	The user/individual on the job needs to know and understand how to: SA2. Read and understand company policies and procedures
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
B. Professional Skills	SA3. Report hazards and incidents clearly with the appropriate level of urgency Decision Making
	The user/individual on the job needs to know and understand how to: SB1. Make decisions pertaining to the area of work SB2. Exhibit commitment to the organisation and exert effort and perseverance
	Plan and Organize
	The user/individual on the job needs to know and understand how to:
	SB3. Organise files and documents SB4. Plan for safety of the work environment
	SB1. Recommend and implement plan of action
	Customer Centricity
	The user/individual on the job needs to know and understand: SB2. How to make exceptional effort to meet patient needs and resolve conflict to patient satisfaction
	Problem Solving The user/individual on the ich people to know and understand how to
	The user/individual on the job needs to know and understand how to: SB3. Identify hazards and suggest effective solutions to identified problems
	Analytical Thinking
	The user/individual on the job needs to know and understand how to: SB4. Analyse the seriousness of hazards
	Critical Thinking
	The user/individual on the job needs to know and understand how to:
	SB5. Evaluate opportunities to improve health, safety and security SB6. Show understanding and empathy for others



Monitor and assure quality

NOS Version Control

NOS Code	HSS/N9611				
Credits (NSQF)	TBD	Version number	1.0		
Industry	Health	Drafted on	12/05/13		
Industry Sub-sector	Allied Health and Paramedics	Last reviewed on	24/07/13		
Occupation		Next review date	24/12/16		



THE TODAY, LEBOURGE

Qualifications Pack For Cardic Care Technician

CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role Cardiac Care Technician Qualification Pack HSS/Q0101

Sector Skill Council Healthcare Sector Skill Council

Guidelines for Assessment

- 1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
- 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
- 3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
- 4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
- 5. To pass the Qualification Pack, every trainee should score as per assessment grid.
- 6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

Grand Total-1 (Subject Domain)	400
Grand Total-2 (Soft Skills and Comunication)	100
Grand Total-(Skills Practical and Viva)	500
Passing Marks (80% of Max. Marks)	400
Grand Total-1 (Subject Domain)	
	80
Grand Total-2 (Soft Skills and Comunication)	
	20
Grand Total-(Theory)	
	100
Passing Marks (50% of Max. Marks)	50
Grand Total-(Skills Practical and Viva + Theory)	600
Overall Result	Criteria is to pass in both theory and practical individually. If fail in any one of them, then candidate is fail Skills Practical & Viva
Detailed Break Up of Marks	



	Subject Domain	Pick a	ny 2 NOS	each of 200 m	narks totaling 400
Assessable	Assessment Criteria for the	Total	Out	Mai	ks Allocation
Outcomes	Assessable Outcomes	Marks (400)	Of	Viva	Skills Practical
1. HSS/ N 0101 Monitor patients'	PC1. Set the room for taking the ECG readings		20	5	15
heart rate and rhythm using electrocardiogram (ECG) equipment	ythm using electrodes from specified body areas to leads from electrocardiograph		60	20	40
			40	10	30
	PC4. Set the ECG machines and explain the ECG procedures clearly to the patient	200	40	10	30
	PC5. Monitor patient during procedures and report any abnormal findings		20	10	10
	PC6. Edit and forward results to attending physician for analysis and interpretation PC7. Maintains ECG equipment and supplies		10	5	5
			10	5	5
	Total		200	65	135
2.HSS/ N 0102: Perform treadmill	PC1. Take consent from patient base on ECG results		20	5	15
test (TT) to assess cardiovascular	PC2. Prepare patient for test		20	5	15
response	PC3. Ensure patient identification and review indication for procedure		20	5	15
	PC4. Take pertinent patient history including cardiac risk factors and medications		30	10	20
	PC5. Explain purpose and procedure to the patient and clarify requirements of them for the test	200	20	10	10
PC6. Continually observe the patient's condition and reactions, monitor ECG and take required measurements and recordings, at intervals appropriate to patient's symptoms and/or test protocol		60	20	40	
	PC7. Assist in evaluating test results		30	10	20
	Total		200	65	135
3.HSS/ N 0103: Assist cardiologist	PC1. Ensure patient identification and explain procedure to the patient	200	20	10	10



in assessing cardiac structure and	PC2. Record patient's demographic data and vitals		50	20	30
function using cardiac ultrasound	PC3. Activate machine, calibrate if required		50	20	30
	PC4. Know about heart function and anatomy		30	30	0
	PC5. Prepare patients for ultrasound		50	10	40
	Total		200	90	110
4.HSS/ N 0104: Assist with	PC1. Ensure patient identification		20	10	10
transesophageal cardiac ultrasound studies	PC2. Obtain patient's informed consent if required as per the protocols		20	10	10
	PC3. Review indication and explain the procedure and requirements to patient	200	40	20	20
	PC4. Arrange the set up for transesophageal ultrasound		60	20	40
	PC5. Assemble tray for procedure, including intravenous setup, and draw up medication as required		60	20	40
	Total		200	80	120
5.HSS/ N 0105: Assist with pericardiocentesis	PC1. Ensure patient identification and obtain patient's informed consent	1	40	20	20
procedure by echocardiography	PC2. Explain the indication for the test and the procedure to the patient	200	60	20	40
	PC3. Set up pericardiocentesis tray		100	20	80
	Total		200	60	140
6.HSS/ N 0106:	PC1. Confirm identity of patient		20	10	10
Assist with implant of pacemakers by establishing lead	PC2. Explain procedure and have patient sign informed consent		40	10	30
integrity	PC3. Prepare table and assist in patient transfer	200	80	20	60
	PC4. Follow the instructions to determine the type of the lead to be used		60	20	40
	Total		200	60	140
7.HSS/ N 0107:	PC1. Ensure patient identification		20	10	10
Assist with insertion of temporary	PC2. Explain procedure and take informed consent		30	10	20
pacemakers	PC3. Prepare table and assist in patient transfer		70	30	40
	PC4. Ensure that a defibrillator and other resuscitation equipment are immediately accessible	200	40	10	30
	PC5. Ensure that strict aseptic technique is used like using a mask, gown and gloves		40	10	30
	Total		200	70	130



8. HSS/ N 0108:	PC1. Prepare the cardiovascular				
Demonstrate	equipment and hemodynamic				
proficiency in using	monitoring system in preparing for		20	10	10
equipment	various diagnostic procedure				
	treatment PC2. Prepare the				
	physiologic and				
	analytical equipment during		20	10	10
	diagnostic and therapeutic				
	procedures performed by the				
	physician PC3. Assists in the		16	6	10
	performance of diagnostic cardiac				
	equipment PC4. Interpret pressure		18	6	12
	waveforms			O	12
	and operates all physiological				
	recording equipment PC5. Perform				
	procedures on equipment such as:		2	0	2
	· Calipers		2	0	2
	· Computers/keyboards/databases ·	-	2	0	2
	Single-channel and three channel			U	2
	electrocardiographs		2	0	2
	· Ambulatory ECG		2	0	2
	recorder/monitor		2	0	2
	- Ambulatory ECG analysis			0	2
	systems	200	2	0	2
	· Oscilloscopes	200	2	0	2
	· Treadmills and stress system		2	0	2
	recording devices		${2}$	0	2
	· Ergometer and bicycle		2	0	2
	· Digital, mercury, aneroid		2	0	2
	· Sphygmomanometers				2
	· Oxygen saturation devices		$\frac{2}{2}$	0	2
	· External pacemakers		2	0	2
	· External defibrillators		2	0	2
	External pacing systems		2	0	2
	· ECG management systems		2	00	2
	· ECG/BP computer systems		2	0	2
	· Simulators		2	00	2
	· Intravenous pumps		2	0	2
	· Tilt table		2	0	2
	·Stethoscope		2	0	2
	· Resuscitation cart				<u> </u>
	Transtelephonic recorders		2	0	2
	· Oxygen regulators	_	2	0	2
	· Suction devices		2	0	2
	· Ambulatory blood pressure			•	
	recorders/monitors		2	0	2
	· Pacing leads		2	0	2
	· Esophageal pacing leads				



	· Temporary pacemakers		2	0	2
	· Pacemaker minclinic		2	0	2
	· Pacemaker magnet		2	0	2
	· All types of electrodes		2	0	2
	· Pacemaker system analysers		2	0	2
	PC6. Identify new equipment and accessories that are needed		20	10	10
	PC7. Review technical specifications of equipment required		20	10	10
	PC8. Compare cost/benefits of equipment to assist in purchasing recommendations		22	20	2
	Total		200	72	128
9. HSS/ N 9610 (Follow infection control policies and procedures)	PC1. Preform the standard precautions to prevent the spread of infection in accordance with organisation requirements		5	0	5
	PC2. Preform the additional precautions when standard precautions alone may not be sufficient to prevent transmission of infection		5	0	5
	PC3. Minimise contamination of materials, equipment and instruments by aerosols and splatter		5	5	0
	PC4. Identify infection risks and implement an appropriate response within own role and responsibility		20	10	10
	PC5. Document and report activities and tasks that put patients and/or other workers at risk		5	0	5
	PC6. Respond appropriately to situations that pose an infection risk in accordance with the policies and	200	5	0	5
	procedures of the organization PC7. Follow procedures for risk control and risk containment for specific risks		10	0	10
	PC8. Follow protocols for care following exposure to blood or other		10	0	10
	body fluids as required PC9. Place appropriate signs when		20	10	10
	and where appropriate PC10. Remove spills in accordance with the policies and procedures of the organization		5	0	5
	PC11. Maintain hand hygiene by washing hands before and after patient contact and/or after any activity likely to cause		5	0	5
	contamination PC12. Follow hand washing		5	0	5
	procedures PC13. Implement hand care		5	0	5



procedures PC14. Cover cuts and abrasions with water-proof dressings and change as necessary PC15. Wear personal protective clothing and equipment that complies with Indian Standards, and is appropriate for the intended use PC16. Change protective clothing and	
water-proof dressings and change as necessary PC15. Wear personal protective clothing and equipment that complies with Indian Standards, and is appropriate for the intended use PC16. Change protective clothing and	
as necessary PC15. Wear personal protective clothing and equipment that complies with Indian Standards, and is appropriate for the intended use PC16. Change protective clothing and	
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with Indian Standards, and is appropriate for the intended use PC16. Change protective clothing and 5	
appropriate for the intended use PC16. Change protective clothing and 5	
PC16. Change protective clothing and 5	
and	
gowns/aprons daily, more	
frequently if soiled and where	
appropriate, after each patient	
contact PC17. Demarcate and	
maintain clean and contaminated	
zones in all aspects of health care yearly PC18. Confine records 20 10	
Work FC18. Comme records,	
materials and	
medicaments to a well-designated	
clean zone PC19. Confine	
contaminated instruments and	
equipment to a well- designated	
contaminated zone	
PC20. Wear appropriate personal 5 0	
protective clothing and equipment	
in	
accordance with occupational health	
and safety policies and procedures	
1 1 11 11 P.CO.1	
when handling waste PC21. 5 0 5 5	
has been generated and dispose of	
into waste containers that are colour	
coded and identified PC22. Store 5 5 0	
in an area that is accessible only to	
authorised persons PC22 Handle package label store	
PC23. Handle, package, label, store,	
transport and dispose of waste 5 0 5	
appropriately to minimise potential	
for contact with the waste and to	
reduce the risk to the environment	
from accidental release PC24.	
Dispose of waste safely in	
accordance with policies and 5 0	
procedures of the organisation and	
legislative requirements	
PC25 Wear personal protective	
clothing and equipment during 5 0 5	
cleaning procedures	
PC26. Remove all dust, dirt and 5 0 5	
physical debris from work surfaces	
PC27. Clean all work surfaces with a	
neutral detergent and warm water	
Solution before and arter each	
Session of when visiony somed	
solution before and after each session or when visibly soiled	



	Qualifications Pack For C	araic care i	Cermiciai		
	PC28. Decontaminate equipment requiring special processing in accordance with quality management systems to ensure full compliance with cleaning, disinfection and sterilisation protocols		5	0	5
	PC29. Dry all work surfaces before and after use		5	0	5
	PC30. Replace surface covers where applicable		5	0	5
	PC31. Maintain and store cleaning equipment		5	5	0
	Total		200	55	145
Soft Sk	ills and Communication	Pick one f	ield from	both parts each totaling 100	n carrying 50 marks
Assessable	Assessment Criteria for the	Total	Out	Marks Allocation	
Outcomes	Assessable Outcomes	Marks (100)	Of	Viva	Observation/ Role Play
Part 1 (Pick one field	l randomly carrying 50 marks)				
1. Attitude					
HSS/ N 9603 (Act within the limits of one's competence	PC1. Adhere to legislation, protocols and guidelines relevant to one's role and field of practice		2	0	2
and authority)	PC2. Work within organisational systems and requirements as appropriate to one's role		2	0	2
	PC3. Recognise the boundary of one's role and responsibility and seek supervision when situations are beyond one's competence and authority		8	4	4
	PC4. Maintain competence within one's role and field of practice	30	2	0	2
	PC5. Use relevant research based protocols and guidelines as evidence to inform one's practice		4	2	2
	PC6. Promote and demonstrate good practice as an individual and as a team member at all times		4	2	2
	PC7. Identify and manage potential and actual risks to the quality and safety of practice		4	2	2
	PC8. Evaluate and reflect on the quality of one's work and make continuing improvements		4	2	2



			30	12	18
HSS/ N 9607 (Practice Code of conduct while	PC1. Adhere to protocols and guidelines relevant to the role and field of practice		3	1	2
performing duties)	PC2. Work within organisational systems and requirements as appropriate to the role		3	1	2
	PC3. Recognise the boundary of the role and responsibility and seek supervision when situations are beyond the competence and authority		3	1	2
	PC4. Maintain competence within the role and field of practice	20	1	0	1
	PC5. Use protocols and guidelines relevant to the field of practice		4	2	2
	PC6. Promote and demonstrate good practice as an individual and as a team member at all times		1	0	1
	PC7. Identify and manage potential and actual risks to the quality and patient safety		1	0	1
	PC8. Maintain personal hygiene and contribute actively to the healthcare ecosystem		4	2	2
			20	7	13
	Attitude Total	50	50	19	31
2. Work Managemen	nt		1		
HSS/ N 9602 (Ensure availability	PC1. Maintain adequate supplies of medical and diagnostic supplies		5	5	0
of medical and diagnostic supplies)	PC2. Arrive at actual demand as accurately as possible		5	3	2
	PC3. Anticipate future demand based on internal, external and other contributing factors as accurately as possible PC4. Handle situations of stock-outs	25	10	5	5
	or unavailability of stocks without compromising health needs of patients/ individuals		5	5	0
			25	18	7
HSS/ N 9605 (Manage work to	PC1. Clearly establish, agree, and record the work requirements		10	5	5
meet requirements)	PC2. Utilise time effectively		3	0	3
	PC3. Ensure his/her work meets the		3	0	3
	agreed requirements PC4. Treat confidential	25	3	3	0
	information correctly PC5. Work in line with the organisation's procedures and		6	3	3
	policies and within the limits of his/her job role		25	11	14



Wor	k Management Total	50	50	29	21
Part 2 (Pick one field	l as per NOS marked carrying 50 marks)				
Tart 2 (Fick one field	as per 1103 marked carrying 30 marks)	1			
1. Team Work					
HSS/ N 9604 (Work effectively with	PC1. Communicate with other people clearly and effectively		3	0	3
others)	PC2. Integrate one's work with other people's work effectively		3	0	3
	PC3. Pass on essential information to other people on timely basis		3	0	3
	PC4. Work in a way that shows respect for other people		3	0	3
	PC5. Carry out any commitments made to other people	50	6	6	0
	PC6. Reason out the failure to fulfil commitment		6	6	0
	PC7. Identify any problems with team members and other people and take the initiative to solve these problems		16	8	8
	PC8. Follow the organisation's policies and procedures		10	4	6
			50	24	26
2. Safety managemen	nt				
HSS/ N 9606 (Maintain a safe, healthy, and secure working	PC1. Identify individual responsibilities in relation to maintaining workplace health safety		6	2	4
environment)	and security requirements PC2. Comply with health, safety and security procedures for the workplace PC3. Report any identified breaches		4	0	4
	in health, safety, and security procedures to the designated person PC4. Identify potential hazards and		4	3	1
	breaches of safe work practices PC5. Correct any hazards that		6	4	2
	individual can deal with safely, competently and within the limits of authority PC6. Promptly and accurately report	50	6	4	2
	the hazards that individual is not allowed to deal with, to the relevant person and warn other people who may get affected PC7. Follow the organisation's		6	4	2
	emergency procedures promptly, calmly, and efficiently PC8. Identify and recommend		6	2	4
	opportunities for improving health, safety, and security to the designated person		6	4	2



PC9. Complete any health and safety records legibly and accurately 50 25 25 3. Waste Management	
3. Waste Management	5
HCC/N 0600	
HSS/N 9609 (Follow biomedical waste disposal protocols) PC1. Follow the appropriate procedures, policies and protocols for the method of collection and containment level according to the	
containment level according to the waste type PC2. Apply appropriate health and safety measures and standard precautions for infection prevention and control and personal protective equipment relevant to the type and category of waste	
PC3. Segregate the waste material from work areas in line with current legislation and organisational requirements	
PC4. Segregation should happen at source with proper containment, by using different colour coded bins for different categories of waste PC5.	
Check the accuracy of the labelling that identifies the type and content of waste PC6. Confirm suitability of	
containers for any required course of action appropriate to the type of waste disposal 4 4 0	
PC7. Check the waste has undergone the required processes to make it safe	
for transport and disposal PC8. Transport the waste to the disposal site, taking into	
consideration its associated risks PC9. Report and deal with spillages and contamination in accordance with current legislation and	
procedures PC10. Maintain full, accurate and legible records of information and store in correct location in line with	
current legislation, guidelines, local policies and protocols 50 32 18	3
4. Quality Assurance	
HSS/N 9611: Monitor and assure and analysis DC2 Following the first search and analysis S0 4	
quality PC2. Evaluate potential solutions thoroughly 8 4 4	



	PC3. Participateineducation programs which include current techniques, technology and trends pertaining to the dental industry PC4. ReadDentalhygiene, dental		4	0		4
	and medicalpublicationsrelatedto quality consistentlyandthoroughly PC5. Reportanyidentifiedbreaches		8	4		4
	in health, safety, and security procedures to the designated person PC6. Identify and correct any hazards		4	2		2
	that he/shecandealwithsafely, competently and within the limits of his/her authority PC7. Promptlyandaccuratelyreport		4	4		0
	any hazardsthathe/sheisnot allowed todealwithtotherelevant person andwarnotherpeoplewho may be affected PC8. Followtheorganisation's		4	4		0
	emergency procedures promptly, calmly, andefficiently PC9. Identifyandrecommend opportunities for improving health,		4	4		0
	safety, and security to the designated person PC10. Complete anyhealth and		4	4		0
	safety records legiblyandaccurately		4	4		0
			50	32		18
			1			
D	Detailed Break Up of Marks				Theo	ory
	Subject Domain		Pio	ck all N	OS tota	alling 80 marks
National Occupational	Assessment Criteria for the Asse	ssable	Weight	age	N	Marks Allocation
Standards (NOS)	Outcomes		vv Oigiri	iuge		Theory
heart rate and rhythm using electrocardiogram	PC1. Set the room for taking the ECO PC2. Attach, connect, and operate ele- specified body areas to leads from electrocardiograph machine		n			
(ECG) equipment	PC3. Review patient's record and instructs		9		9	
	patients prior to procedures PC4. Set the ECG machines and explain the ECG					
	-	am the ECO				
	procedures clearly to the patient PC5. Monitor patient during procedures and					
		nes and				
	report any abnormal findings					



	PC6. Edit and forward results to attending physician for analysis and interpretation		
	PC7. Maintains ECG equipment and supplies		
	Total		9
2.HSS/ N 0102:	PC1. Take consent from patient base on ECG		
Perform treadmill test (TT) to assess	results		
cardiovascular	PC2. Prepare patient for test		
response	PC3. Ensure patient identification and review indication for procedure		
	PC4. Take pertinent patient history including		
	cardiac risk factors and medications	9	9
	PC5. Explain purpose and procedure to the patie and clarify requirements of them for the test PC6. Continually observe the patient's condition and reactions, monitor ECG and take required measurements and recordings, at intervals	nt	
	appropriate to patient's symptoms and/or test protocol		
	PC7. Assist in evaluating test results		
	Total		9
3.HSS/ N 0103: Assist cardiologist in assessing cardiac structure and function using	PC1. Ensure patient identification and explain procedure to the patient PC2. Record patient's demographic data and vitals	9	9
cardiac ultrasound	PC3. Activate machine, calibrate if required		,
	PC4. Know about heart function and anatomy		
	PC5. Prepare patients for ultrasound		
	Total		9
4.HSS/ N 0104: Assist with	PC1. Ensure patient identification		
transesophageal cardiac ultrasound	PC2. Obtain patient's informed consent if required as per the protocols		
studies	PC3. Review indication and explain the procedur	e	_
	and requirements to patient	9	9
	PC4. Arrange the set up for transesophageal		
	PC5. Assemble tray for procedure, including intravenous setup, and draw up medication as		
	required		9
5.HSS/ N 0105: Assist with	PC1. Ensure patient identification and obtain		
	patient's informed consent		
pericardiocentesis procedure by	PC2. Explain the indication for the test and the	9	9
echocardiography	procedure to the patient		
	PC3. Set up pericardiocentesis tray		

Insert SSC logo height - 0.51", width 2.84"



2.84" 			
(HCC/) LO10 (Total		9
6.HSS/ N 0106: Assist with implant of pacemakers by establishing lead	PC1. Confirm identity of patient PC2. Explain procedure and have patient sign informed consent		
integrity	PC3. Prepare table and assist in patient transfer	9	9
	PC4. Follow the instructions to determine the typ of the lead to be used	e	
	Total		9
7.HSS/ N 0107: Assist with insertion of temporary pacemakers	PC1. Ensure patient identification PC2. Explain procedure and take informed consent		
риссинакого	PC3. Prepare table and assist in patient transfer		
	PC4. Ensure that a defibrillator and other resuscitation equipment are immediately accessible	9	9
	PC5. Ensure that strict aseptic technique is used		
	like using a mask, gown and gloves		
	Total		9
8. HSS/ N 0108: Demonstrate proficiency in using equipment	PC1. Prepare the cardiovascular equipment and hemodynamic monitoring system in preparing for various diagnostic procedure treatment. PC2. Prepare the physiologic and analytical equipment during diagnostic and therapeutic procedures performed by the physician. PC3. Assists in the performance of diagnostic cardiac equipment. PC4. Interpret pressure waveforms and operates all physiological recording equipment. PC5. Perform procedures on equipment such as: · Calipers · Computers/keyboards/databases · Single-channel and three channel electrocardiographs · Ambulatory ECG recorder/monitor · Ambulatory ECG analysis systems · Oscilloscopes · Treadmills and stress system recording devices · Ergometer and bicycle · Digital, mercury, aneroid · Sphygmomanometers · Oxygen saturation devices · External pacemakers · External defibrillators · External pacing systems	9	9



I			
	· ECG management systems		
	· ECG/BP computer systems		
	· Simulators		
	· Intravenous pumps		
	· Tilt table		
	· Stethoscope		
	· Resuscitation cart		
	· Transtelephonic recorders		
	· Oxygen regulators		
	· Suction devices		
	· Ambulatory blood pressure recorders/monitors		
	· Pacing leads		
	· Esophageal pacing leads		
	· Temporary pacemakers		
	· Pacemaker minclinic		
	· Pacemaker magnet		
	· All types of electrodes		
	· Pacemaker system analysers		
	PC6. Identify new equipment and accessories that		
	are needed DC7. Povious technical anguifications of		
	PC7. Review technical specifications of equipment required		
	PC8. Compare cost/benefits of equipment to assis	+	
	in purchasing recommendations	ı	
	in purchasing recommendations		
	Total		9
9. HSS/ N 9610 (Follow infection	PC1. Preform the standard precautions to		
control policies and	prevent		
procedures)	the spread of infection in accordance with organisation requirements		
	PC2. Preform the additional precautions when		
	standard precautions alone may not be		
	sufficient to prevent transmission of infection		
	PC3. Minimise contamination of materials,		
	equipment and instruments by aerosols and splatter		
	PC4. Identify infection risks and implement an	0	
	appropriate response within own role and	8	8
	responsibility PC5. Document and report activities and tasks		
	that put patients and/or other workers at risk		
	PC6. Respond appropriately to situations that		
	pose an infection risk in accordance with the policies and procedures of the organization		
	PC7. Follow procedures for risk control and		
	risk		
	containment for specific risks PC8. Follow protocols for care following		
	exposure to blood or other body fluids as		
	required		

Qualifications Pack For Cardic Care T
PC9. Place appropriate signs when and where
appropriate
PC10. Remove spills in accordance with the
policies and procedures of the organization
PC11. Maintain hand hygiene by washing hands
before and after patient contact and/or after any
activity likely to cause contamination
PC12. Follow hand washing procedures
PC13. Implement hand care procedures
PC14. Cover cuts and abrasions with water-proo
dressings and change as necessary
PC15. Wear personal protective clothing and
equipment that complies with Indian Standards,
and is appropriate for the intended use
PC16. Change protective clothing and gowns/aprons daily, more frequently if soiled and
where appropriate, after each patient contact
PC17. Demarcate and maintain clean and
contaminated zones in all aspects of health care
work
PC18. Confine records, materials and
medicaments to a well-designated clean zone
PC19. Confine contaminated instruments and
equipment to a well-designated contaminated
PC20. Wear appropriate personal protective
clothing and equipment in accordance with
occupational health and safety policies and
procedures when handling waste
PC21. Separate waste at the point where it has
been generated and dispose of into waste containers that are colour coded and identified
PC22. Store clinical or related waste in an area
that is accessible only to authorised persons
PC23. Handle, package, label, store, transport ar dispose of waste appropriately to minimise
potential for contact with the waste and to reduce
the risk to the environment from accidental
release
PC24. Dispose of waste safely in accordance with
policies and procedures of the organisation and legislative requirements
PC25. Wear personal protective clothing and
equipment during cleaning procedures PC26. Remove all dust, dist and physical debris
PC26. Remove all dust, dirt and physical debris from work surfaces
ITOM WOLK SULLACES



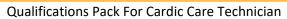
1	DC27_C1 11 1 C		
	PC27. Clean all work surfaces with a neutral detergent and warm water solution before and		
	after each session or when visibly soiled		
	PC28. Decontaminate equipment requiring special	n1	
	processing in accordance with quality	.1	
	management systems to ensure full compliance		
	with cleaning, disinfection and sterilisation		
	protocols		
	PC29. Dry all work surfaces before and after use		
	PC30. Replace surface covers where applicable		
	PC31. Maintain and store cleaning equipment		
	Total		8
		Select each pa	art each carrying 10 marks
S	oft Skills and Communication	· · · · · · · · · · · · · · · · · · ·	totalling 20
National Occupational	Assessment Criteria for the Assessable	Weightage	Marks Allocation
Standards (NOS)	Outcomes	Worghtage	Theory
			Theory
Part 1 (Pick one field	1 randomly carrying 50 marks)		
1. Attitude			
HSS/ N 9603 (Act	PC1. Adhere to legislation, protocols and		
within the limits of one's competence	guidelines relevant to one's role and field of		
and authority)	PC2. Work within organisational systems and		
, , , , , , , , , , , , , , , , , , , ,	requirements as appropriate to one's role		
	PC3. Recognise the boundary of one's role and		
	responsibility and seek supervision when		
	situations are beyond one's competence and		
	authority		
	PC4. Maintain competence within one's role and		
	field of practice	2	2
	PC5. Use relevant research based protocols and	~	_
	guidelines as evidence to inform one's practice		
	PC6. Promote and demonstrate good practice as		
	an individual and as a team member at all times		
	PC7. Identify and manage potential and actual		
	risks to the quality and safety of practice		
	PC8. Evaluate and reflect on the quality of one's		
	work and make continuing improvements		
	Total		2
	1000		<u> </u>



HSS/ N 9607 (Practice Code of conduct while	PC1. Adhere to protocols and guidelines relevant to the role and field of practice		
performing duties)	PC2. Work within organisational systems and		
	requirements as appropriate to the role		
	PC3. Recognise the boundary of the role and		
	responsibility and seek supervision when situations are beyond the competence and authority		
	PC4. Maintain competence within the role and field of practice	2	2
	PC5. Use protocols and guidelines relevant to the field of practice		
	PC6. Promote and demonstrate good practice as		
	an individual and as a team member at all times		
	PC7. Identify and manage potential and actual		
	risks to the quality and patient safety		
	PC8. Maintain personal hygiene and contribute		
	actively to the healthcare ecosystem		
	Total		2
	Attitude Total	4	4
2. Work Managemen	t		
HSS/ N 9602	PC1. Maintain adequate supplies of medical and		
(Ensure availability of medical and	diagnostic supplies PC2. Arrive at actual demand as accurately as		
diagnostic supplies)	possible		
	PC3. Anticipate future demand based on internal,	, ,	4
	external and other contributing factors as	4	4
	accurately as possible PC4. Handle situations of stock-outs or		
	unavailability of stocks without compromising health needs of patients/ individuals		
	Total		4
HSS/ N 9605 (Manage work to	PC1. Clearly establish, agree, and record the work	ζ	
meet requirements)	PC2. Utilise time effectively		
	PC3. Ensure his/her work meets the agreed		
	requirements	2	2
	PC4. Treat confidential information correctly		
	PC5. Work in line with the organisation's procedures and policies and within the limits of his/her job role		
	Total		2
	Work ManagementTotal	4	6
	Part 1 Total		10
		10	10
Part 2 (Pick one field	as per NOS markedcarrying 50 marks)		
1. Team Work			



	Qualifications rack for Cardic Care rec	innelan		
HSS/ N 9604 (Work				
effectively with	PC1. Communicate with other people clearly and			
others)	effectively			
	PC2. Integrate one's work with other people's			
	work effectively			
	PC3. Pass on essential information to other peop	le		
	on timely basis			
	PC4. Work in a way that shows respect for other	2	2	
	people	_	_	
	PC5. Carry out any commitments made to other			
	people			
	PC6. Reason out the failure to fulfil commitment			
	PC7. Identify any problems with team members			
	and other people and take the initiative to solve			
	these problems			
	PC8. Follow the organisation's policies and			
	procedures Total		2	
2 Safety managemen				
2. Safety managemen	PC1. Identify individual responsibilities in			
HSS/ N 9606	relation to maintaining workplace health safety and security requirements			
(Maintain a safe,	PC2. Comply with health, safety and security			
healthy, and secure	procedures for the workplace			
working environment)	PC3. Report any identified breaches in health, safety, and security procedures to the			
	designated			
	person			
	PC4. Identify potential hazards and breaches of safe work practices			
	PC5. Correct any hazards that individual can			
	deal			
	with safely, competently and within the limits of			
	authority			
	PC6. Promptly and accurately report the	2	2	
	hazards that individual is not allowed to deal with, to			
	the			
	relevant person and warn other people who			
	may get affected			
	PC7. Follow the organisation's emergency			
	procedures promptly, calmly, and efficiently			
	PC8. Identify and recommend opportunities			
	for improving health, safety, and security to the			
	designated person			
	PC9. Complete any health and safety records			
	legibly and accurately			
	Total		2	
3. Waste Management _{PC1} . Follow the appropriate procedures,				
HSS/ N 9609	policies			
(Follow biomedical	and protocols for the method of collection and	4	4	
waste disposal	containment level according to the waste type	†		
	5 31			



	Qualifications Fack For Cardic Care 10	ECHILICIAN	TO JODAY, LEADING TO
protocols)	PC2. Apply appropriate health and safety measures and standard precautions for infection prevention and control and personal protective equipment relevant to the type and category of waste PC3. Segregate the waste material from work areas in line with current legislation and organisational requirements PC4. Segregation should happen at source with proper containment, by using different colour coded bins for different categories of waste PC5. Check the accuracy of the labelling that identifies the type and content of waste PC6. Confirm suitability of containers for any required course of action appropriate to the type of waste disposal PC7. Check the waste has undergone the required processes to make it safe for transport and disposal PC8. Transport the waste to the disposal site, taking into consideration its associated risks PC9. Report and deal with spillages and contamination in accordance with current legislation and procedures PC10. Maintain full, accurate and legible records of information and store in correct location in line with current legislation, guidelines, local policies and protocols		
	Total	L	
4. Quality Assurance			4
HSS/ N 9611:			
HSS/ N 9611: Monitor and assure quality	PC1. Conduct appropriate research and analysis PC2. Evaluate potential solutions thoroughly PC3. Participate in education programs which include current techniques, technology and trends pertaining to the dental industry PC4. Read Dental hygiene, dental and medical publications related to quality consistently and thoroughly PC5. Report any identified breaches in health, safety, and security procedures to the designated person PC6. Identify and correct any hazards that he/she can deal with safely, competently and within the limits of his/her authority PC7. Promptly and accurately report any hazards that he/she is not allowed to deal with to the relevant person and warn other people who may be affected PC8. Follow the organisation's emergency	2	2



PC9. Identify and recommend opportunities for improving health, safety, and security to the designated person		
PC10. Complete any health and safety records legibly and accurately		
Total		2
Part 2 Total	10	10

