







Model Curriculum

Cardiac Care Technician

SECTOR: HEALTHCARE

SUB-SECTOR: ALLIED HEALTH & PARAMEDICS

OCCUPATION: CARDIAC CARETECHNICIAN

REF ID: HSS/Qo101, VERSION 1.0

NSQF LEVEL: 4









TABLE OF CONTENTS

1. Curriculum	04
2. Trainer Prerequisites	17
3. Annexure: Assessment Criteria	18















Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

HEALTHCARE SECTOR SKILL COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of Job Role/ Qualification Pack: 'Cardiac Care Technician' QP No. 'HSS/Q 0101 NSQF Level 4'

Date of Issuance:

November 30th, 2015

Valid up to:

November 29th, 2016

* Valid up to the next review date of the Qualification Pack

Authorised Signatory









Cardiac Care Technician

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a "Cardiac Care Technician", in the "Healthcare" Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	<cardiac care="" technicia<="" th=""><th>an></th><th></th></cardiac>	an>	
Qualification Pack Name & Reference ID.	HSS/Qo101, version 1.0		
Version No.	1.0	Version Update Date	15-12-2015
Pre-requisites to Training	Class XII in Science Or Level 3 FCG Technician wi	th Experience of minimum 3	Years
Training Outcomes	 Level 3 ECG Technician with Experience of minimum 3 Years After completing this programme, participants will be able to: Independently handle the latest technology relevant to heart diseases, diagnosis & treatment Know and apply the principles of sterilization, disinfection, infection control and aseptic techniques Perform invasive and non-invasive diagnostic examinations and therapeutic interventions of the heart and/or blood vessels under supervision Ensure availability of medical and diagnostic supplies Identify and know the instruments and equipment used in different procedures Acquire sound knowledge of special procedures and able to assist in all. Able to work effectively with others and have good communication 		









This course encompasses 17 out of 17 National Occupational Standards (NOS) of "Cardiac Care Technician" Qualification Pack issued by "SSC: Healthcare Sector Skill Council".

S.No	Module	Key Learning Outcomes	Equipment Required
2.	Function of the Cardiac department in a variety of settings (hospital, clinic, diagnostic center, mobile service) Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 05:00 Corresponding NOS Code Introduction Introduction To Human Body; Structure & Function Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 10:00	Basic understanding of Healthcare Service Providers (primary, secondary & tertiary) Basic understanding of cardiac department in a hospital Basic understanding of Cath lab, CCU, invasive and non invasive labs and various department pertaining to heart ailments/diagnosis/treatment Understanding different parts of body Basic sensitization towards different types of body systems	Self learning and understanding Mannequin, chart and poster demonstration, heart impressions for easy learning and understanding Self learning and understanding Mannequin, chart and poster demonstration, heart impressions for easy learning and understanding
	Corresponding NOS Code HSS/ N 0101, 0102, 0103, 0104, 0105		
3.	Role of Cardiac Care Technician Theory Duration (hh:mm) 20:00	 To develop broad understanding of the functions to be performed by CCT To understand various types of procedures carried out in the cardiac catheterization laboratory and other labs carrying out diagnostic services in cardiology 	Self learning and understanding Mannequin, chart and poster demonstration, heart impressions for easy learning and understanding
	Practical Duration	To gain broad understanding regarding:	









S.No	Module	Key Learning Outcomes	Equipment Required
	(hh:mm)	Type of Sample	
	20:00	Sample Handling	
	Corresponding NOS	 different equipment useful & correct method for blood sample collection 	
	Code HSS/ N 0101, 0102,	• correct procedure of sample transportation.	
	0103, 0104, 0105, 0106, 0107, 0108, 9602	 To exhibit Ethical Behavior and understanding of administrative functions of CCT 	
		 To understand the need for counselling patient and family before, during and after the procedure(s) 	
		 To understand the need for engagement and interaction with other providers in order to maintain quality and continuous care. 	
4.	Personnel Hygiene	To develop understanding of the concept of Healthy Living	Self learning and understanding
	Theory Duration (hh:mm)	 To develop understanding & procedures of Hand Hygiene 	Mannequin, chart and poster demonstration,
	10:00	To develop techniques of Grooming	heart impressions for easy learning and
	Practical Duration	To be equipped with Techniques of use of PPE	understanding
	(hh:mm)	To ensure vaccination against common	
	10:00	Infectious Diseases.	
	Corresponding NOS Code HSS / N / 5204, HSS/N 5201, HSSC/N 5206		
5.	Role of CCT- Sanitation , Safety & First Aid	To understand regarding environmental safety	Patient safety tools such as wheel chairs, trolleys,
	Theory Duration (hh:mm)	 To understand regarding major safety and security requirement at a health care unit 	side rails, PPE, First Aid kit, betadine, cotton, bandages, sanitizers,
	30:00	 To develop an understanding for handling the hazardous situation safely. 	disinfectants etc
	Practical Duration (hh:mm)	 Describe basics of first aidTo develop understanding and precautions to ensure self safety 	
	30:00	 To understand the role of an CCT in monitoring healthy and safe environment. 	
		 To understand the safety measures for disabled, pediatric & geriatric patients 	
	Corresponding NOS	To understand the impact of medical	









S.No	Module	Key Learning Outcomes	Equipment Required
	Code HSS/ N 9609, 9603, 9606, 9610	negligence in clinical management and their different types To understand Surgical Site Infection and measures to prevent them	
		 To understand various strategies which can be initiated for minimizing risk for patients To develop broad understanding regarding role of hospital on the occurrence of a disaster To understand fire prevention strategies and electrical safety measures which should be known to health worker 	
6.	Bio Medical Waste Management Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code HSS/N 5201, HSS/N 5202, HSS/N 5203, HSS/N 5205, HSS/N 5206	 To gain understanding of importance of proper and safe disposal of bio-medical waste & treatment To gain understanding of categories of bio-medical waste To learn about disposal of bio-medical waste – colour coding, types of containers, transportation of waste, etc. To gain broad understanding of standards for bio-medical waste disposal To gain broad understanding of means of bio-medical waste treatment To understand the role of an infection control team 	Different coded color bins, different variety of bio medical waste management, Visit to treatment plan of bio medical waste etc.
7	Soft Skills & Communication-I Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 15:00 Corresponding NOS Code HSS / N/9603, HSS/N/9604 &	 Understand art of effective communication Able to handle effective communication with Patients & Family Able to handle effective Communication with Peers/ colleagues using medical terminology in communication Learn basic reading and writing skills Learn sentence formation Learn grammar and composition Learn how to enhance vocabulary Learn problem solving Understand need for customer service and service excellence in Medical service 	Self-learning and understanding









S.No	Module	Key Learning Outcomes	Equipment Required
	HSS/N/9605	 Understand work ethics in hospital set up Learn Goal setting, team building, team work, time management, thinking and reasoning & communicating with others 	
8.	Anatomy and physiology of the cardiovascular system - Detailed anatomy and physiology of the heart Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code HSS/ N 0101, 0102, 0103, 0105, 0104, 0106, 0107	 To develop an understanding of Cardiovascular System Basic understanding regarding size, shape, location and different layers of the heart Basic understanding of SA node and its functional significance To understand the coronary circulation What all are the different sounds produced in the heart and what is its significance 	Mannequin, E-modules, charts of different body parts
9	Introduction to common heart diseases their processes and terminology Theory Duration (hh:mm) 40:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code HSS/ N 0101, 0102, 0103, 0105, 0104, 0106, 0107	 To understand cardiovascular diseases & risk factors behind occurrence of cardiac abnormalities To develop an understanding regarding various diseases of heart To understand the significance of coronary circulation, systemic circulation, types of vessels etc. To Identify the warning signs and symptoms of heart related disease condition 	Mannequin, E-modules, charts of different body parts









S.No	Module	Key Learning Outcomes	Equipment Required
10	Electrocardiography and Echocardiography	 To develop understanding regarding ECG & it's procedure 	Patient Couch, ECG Machine, leads, pads, gauges, tissue paper, Tilt Table for test, mannequin, hand sanitizer, PPE, ECHO machine access,
	Theory Duration (hh:mm)	 Basic understanding of different wave forms in ECG & common interpretation 	
	20:00	To understand the Tilt Table Testing	
	Practical Duration (hh:mm)	 Enumerate the measures to be taken before, after and during ECG procedure 	transducer, patient jelly
	30:00	 To develop an understanding regarding Echocardiography 	
	Corresponding NOS Code HSS/ N 0101, 0104, 0104, 0105, 9604, 9602, 0108, 9603	 Explain the position of transducersTo understand the role of CCT while assisting cardiologist during Echocardiography / cardiac ultrasound 	
11.	Infection Control Measures - Policies	To understand the importance of hand washing and its steps	Hand sanitizers, PPE, Hand washing techniques,
	and Procedures	To understand ; Needle Stick Injuries (NSI)	steriliser, disinfectants, policies and procedures for
	Theory Duration (hh:mm)	 To gain understanding regarding transmission based precautions and & its types 	infection control
	15:00	 To understand the meaning of ventilation and state it's clinical significance 	
	Practical Duration (hh:mm)	 To understand the principles of linen management 	
	15:00	 To understand the process of cleaning, sterilization and disinfection of equipment and lab along with it's significance 	
	Corresponding NOS Code HSS/ N 9610	 To understand various occupational hazards for a health worker 	
12.	Basic Life Support	Sensitization & overview regarding Cardiac Arrest	Emergency kits, mannequins, defibrillator,
	Theory Duration (hh:mm)	 To understand regarding fundamentals of early defibrillation 	AED's
	15:00	 To understand principles of BLS (Adult chain of survival, CABD's of giving CPR), 	
	Practical Duration (hh:mm)	To understand operation of AED	
	15:00	Principles of Adult BLS/Child BLS/Infant BLS	
	Corresponding NOS Code HSS/ N 9610		









S.No	Module	Key Learning Outcomes	Equipment Required
13.	Soft Skills And Communication II Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code Introductory	 Learn objection handling Learn Telephone and Email etiquettes Learn Basic computer working like feeding the data, saving the data and retrieving the data. Learn to analyze, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently Learn planning and organization of work Learn identification of rapidly changing situations and adapt accordingly Learn decision making ability 	Self-Learning and understanding
14.	An introduction to the components, function, and proper use of the EKG/ECG machine Normal anatomy of the chest wall for proper lead placement Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 15:00 Corresponding NOS Code (HSS /N 0101)	 To understand about ambulatory ECG and it's significance To understand regarding different types of Ambulatory ECG To understand how to prepare and position the patient for ECG Understand proper placement of leads on chest wall for ECG To understand the various complications associated with Exercise ECG 	Patient Couch, ECG Machine, leads, pads, gauges, tissue paper, Tilt Table for test, mannequin, hand sanitizer, PPE, ECHO machine access, transducer, patient jelly
15.	Treadmill Test Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 20:00	 To develop an understanding regarding treadmill test To understand regarding different type of Stress TEST To understand the procedure for carrying out stress Echo including the placement of leads during the test To understand how to prepare the patient for a cardiac stress echo, DSE, etc. Understand various differences in the findings 	TMT Machine, sample reports, mannequins, visit to healthcare facility etc, couch, ECG Machine, leads, pads, gauges, tissue paper, Tilt Table for test, mannequin, hand sanitizer, PPE









S.No	Module	Key Learning Outcomes	Equipment Required
	Corresponding NOS Code (HSS /N 0102)	 of a normal and an ischemic heart To understand the working & procedure of an isotope stress test To develop broad understanding regarding necessary precautions which to be taken while performing an isotope stress test 	
16.	Role Of CCT During Trans Esophageal Cardiac Ultrasound Studies Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 20:00 Corresponding NOS Code HSS/ N 0104	 To understand regarding Trans esophageal echocardiography, it's types, scope, indication for procedure & associated complications To gain broad understanding regarding findings which is to be expected during the procedure To understand the safety & privacy aspect of this procedure for the patient To understand the roles and responsibilities of a technician during the procedure 	Echo Machine, sample reports, mannequins, visit to healthcare facility etc
17	Introduction To Pacemaker & Leads Theory Duration (hh:mm) 20:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code HSS/ N 0106	 To gain understanding regarding the artificial pacemaker & temporary pacemakers To understand the significance behind the implantation of an artificial pacemaker To understand the meaning of an implantable cardioverter defibrillator and it's significance To carry out initial assessment of patient before the implantation of a pace maker To understand factors which to be considered when the patient is on a pacemaker To gain broad understanding regarding warning signs of pacemaker infection 	Different types of pacemakers such as ICD, CRT-D, CRT-P, Dual chamber PPI, Single Chamber PPI, leads, programmer etc
18	Role Of CCT During Implant Of Temporary Pacemakers Theory Duration (hh:mm) 30:00 Practical Duration	 To differentiate between artificial and temporary pacemaker implantation procedure To understand regarding temporary trans venous pacing To understand the common problems which may occur during the insertion of pacemaker To understand the meaning of pace maker 	Mannequins, patient unit, leads, ECG machine, Different types of pacemakers such as ICD, CRT-D, CRT-P, Dual chamber PPI, Single Chamber PPI, leads, programmer etc









S.No	Module	Key Learning Outcomes	Equipment Required
	(hh:mm) 10:00	syndrome To gain understanding regarding complications to be expected during the procedure	
		 To understand the significance of investigations which should be carried out pre and post implantation. 	
	Corresponding NOS Code	 To gain understanding regarding indication for a temporary pace making. 	
	HSS/ N 0107	 To understand the significance of elective pace making 	
		 To understand procedure for applying an external pacemaker 	
		 To understand common complication during implantation of temporary pacemaker 	
		 To understand the emergency measures which is to be taken in case of pacemaker failure 	
19	Intent Inventory	To understand to whom to contact in case if there is a need of replenishing supplies	All kinds of inventory
	Theory Duration (hh:mm)	 To understand the guidelines for medical and diagnostic supplies and content of the kit 	
	05:00	 To develop an understanding regarding need of maintaining record of supplies 	
	Practical Duration (hh:mm)	or maintaining record or sopplies	
	05:00		
	Corresponding NOS Code HSS/ N 9602		
20.	Introduction To Cardiac Related Equipment	To enlist the commonly used cath lab equipment	All equipment related to cardiac facility such as ECG
	Theory Duration	 Describes and differentiate and understand the use of following equipment: 	pacemakers, TMT
	, ,	• Carm & ∪arm	Leads etc
	10.00	• x ray tube	
	Practical Duration	X ray detecting device	
		, , , , , , , , , , , , , , , , , , , ,	
	20:00		
	Corresponding NOS	, , , ,	
	Code	, -	
20.	O5:00 Corresponding NOS Code HSS/ N 9602 Introduction To Cardiac Related Equipment Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 20:00 Corresponding NOS	 equipment Describes and differentiate and understand the use of following equipment: C arm & u arm x ray tube X ray detecting device x ray switching and pulse controller, 	cardiac facility such as E machine, all kinds of pacemakers, TMT machine, ECHO machin









S.No	Module	Key Learning Outcomes	Equipment Required
3.140	HSS/ N 0108	 Crash cart and defibrillator Intubation equipment, Central vein catheter, Cardiac drugs', Sterile equipment and supplies, Liquid cooling system, etc. To develop broad understanding regarding major equipment used in the cath lab setting and its operating methods To understand the technical specification of common equipment in cath lab Understand the regulatory framework for medical equipment 	Equipment Required
21.	To develop an understanding regarding Pericardiocentesis and it's types Theory Duration (hh:mm) 30:00 Practical Duration (hh:mm) 20:00 Corresponding NOS Code HSS/ N 0105	 To develop an understanding regarding Pericardiocentesis and it's types To understand procedure for Pericardiocentesis and requisite equipment To understand indications and complications of needle peri-cardiocentesis To understand indications and complications of open pericardiocentesis To understand role of a technician while carrying out the procedure 	Pericardiocentesis equipment's such as , gauge, wires, balloons, sheath etc
22.	Act Within The Limits Of Competence And Authority Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 10:00 Corresponding NOS	 Understand the meaning of relations and types of relationship To understand effective working relationships with the people external to the team, with which the individual works on a regular basis To understand the effect of boundary violation in technician client relationships To understand the code of ethics for cardiac care technicians 	Internet use for learning and adopting best practices









S.No	Module	Key Learning Outcomes	Equipment Required
	Code HSS/ N 9603		
23.	Work Effectively With Others	Understand the importance of a team and team work	Internet use for learning and adopting best practices
	Theory Duration (hh:mm)	To understand the types of team in health care organization	practices
	10:00	To understand the elements and principles of team work and team based health care	
	Practical Duration (hh:mm)	Understand how to manage the conflict in health care facility	
	10:00 Corresponding NOS Code		
	HSS/ N 9604		
24.	Manage Work To Meet Requirements	To develop broad understanding regarding management of work so as to meet professional expectations	Internet use for learning and adopting best practices
	Theory Duration (hh:mm)	To understand the significance of keeping the hospital clean	
	10:00	To understand the significance of maintaining confidentiality in work environment	
	Practical Duration (hh:mm)	To understand how to manage stress	
	10:00		
	Corresponding NOS Code HSS/ N 9605		
25.	Monitor And Assure Quality	To understand the significance of quality, perception & its dimension To understand the components of quality.	Internet use for learning and adopting best practices
	Theory Duration (hh:mm)	 To understand the components of quality system Enumerate the stages & elements quality 	practices
	30:00	systemUnderstand the process of quality system	
	Practical Duration (hh:mm)	 To understand the significance of attending CME's for technician 	
	20:00	To develop a broad understanding regarding1) Hospital Information System	
	Corresponding NOS	2) Quality Improvement Plan	
	Code	3) Total Quality Management	
	HSS/ N 9611	 To understand difference between quality control and assurance 	









S.No	Module	Key Learning Outcomes	Equipment Required					
		To understand the factors which influences quality of care						
26.	Consent, Documentation &	Understand guidelines for documentation	Internet use for learning					
	Records	 Learn various types of records of importance for Cardiac Care Technician 	and adopting best practices					
	Theory Duration (hh:mm)	Understand use and importance of records and consent						
	20:00	Understand abbreviations and symbols						
	Practical Duration (hh:mm)	 Enter, transcribe, record, store, or maintain information in written or electronic/magnetic form 						
	10:00 Corresponding NOS Code HSS/N5114, 5115, 9605							
27.	Basic Computer Knowledge	To gain broad understanding about Application of computers in laboratory Practice	Computer/Internet					
	Theory Duration (hh:mm)	 Give Introduction to Computers: Block diagram Input and Output devices						
	05:00	Storage devicesGive Introduction to operating systems						
	Practical Duration (hh:mm)	 Need of Operating systems (OS) Function of OS Windows 2000 – Utilities and basic 						
	15:00	operationsMicrosoft office 2000 – MS Word, MS Excel						
	Corresponding NOS Code Introductory							
	Total Duration	Unique Equipment Required: Patient Couch, A floor or						
	Theory Duration (hh:mm) 455:00	intensifier, Set of viewing monitors, Realtime ECG/Blood pressure/Oxyg Saturation measurements with software to record and measure these w needed, Injector Pump used for imaging the Left Ventricle or Aorta, X-r for the recording and playback of the Fluoroscopy runs acquired during						
	Practical Duration (hh:mm)	procedure, Diagnostic Catheters, Guide catheters, Guidewires, Angiop Balloons, stents (drug eluting and bare metal), sheaths, closure device nursing supplies, defibrillator, drugs, recovery bays, reporting station,						
	385:00	Class Room equipped with following arrangements:						
	OJT Duration	Interactive lectures & Discussion						
	(hh:mm)	Brain Storming						
	660:00	Charts & Models						
		Activity						









S.No	Module	Key Learning Outcomes	Equipment Required
		Video presentation	
		Visit to Primary Health Centre, Hospital set-up	and Cardiac Centre

Grand Total Course Duration: 0840:00 Hours (Theory Duration: 455:00+ Practical Duration: 385:00)

Mandatory 660 Hours of OJT/Internship/Clinical or Laboratory Training)

(This syllabus/ curriculum has been approved by <u>SSC: Healthcare Sector Skill Council</u>









Trainer Prerequisites for Job role: "Cardiac Care Technician" mapped to Qualification Pack: "HSS/Qo101, version 1.0"

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack "HSS/Qo101".
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	 MBBS doctor with one year experience in cardiac department or B.Sc Nurse with five years' experience in cardiac department or cardiac care technician/cath lab technician with five years' experience in cardiac department
4a	Domain Certification	Certified for Job Role: "Cardiac Care Technician" mapped to QP: "HSS/Qo101" version 1.0. with scoring of minimum 85%.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: "Trainer", mapped to the Qualification Pack: "SSC/Q1402" with scoring of minimum 90%.
5	Experience	 Experience in teaching Cardiac Care Technician course (HSS/Qo101, version 1.0) 5 years of experience for Level 4 certified Cardiac Care Technician (HSS/Qo101, version 1.0)









Annexure: Assessment Criteria

Assessment Criteria for Cardiac Care technician	
Job Role	Cardiac Care Technician
Qualification Pack Code	HSS/Q 0101, version 1.0
Sector Skill Council	Healthcare Sector Skill Council

Sr. No.	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
7.	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
8.	The assessment for the theory part will be based on knowledge bank of questions created by the SSC









Skills Practical and Viva (80% weightage)						
	Marks Allotted					
Grand Total-1 (Subject Domain)	400					
Grand Total-2 (Soft Skills and Communication)	100					
Grand Total-(Skills Practical and Viva)	500					
Passing Marks (80% of Max. Marks)	400					
Theory (20% weightage)						
	Marks Allotted					
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					
D. 11 1D. 111 CO. 1	of them, then candidate is fail					
Detailed Break Up of Marks	Skills Practical & Viva					
Subject Domain	Pick any 2 NOS each of 200 marks totaling 400					









		Total	Out Of		Marks Allocation	
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Mark s (400)		Viva	Skills Practica	
1. HSS/ N 0101 Monitor patients'	PC1. Set the room for taking the ECG readings		20	5	15	
	PC2. Attach, connect, and operate electrodes from					
heart rate and	specified body areas to leads from electrocardiograph		60	20	40	
rhythm using	machine					
electrocardiogra	PC ₃ . Review patient's record and instructs patients prior to		40	10	30	
m (ECG)	procedures		7*		J.	
equipment	PC4. Set the ECG machines and explain the ECG	200	40	10	30	
	procedures clearly to the patient	4	'		,	
	PC5. Monitor patient during procedures and report any		20	10	10	
	abnormal findings	_				
	PC6. Edit and forward results to attending physician for		10	5	5	
	analysis and interpretation	1				
	PC7. Maintains ECG equipment and supplies		10	5	5	
- LICC/N	Total	1	200	65	135	
2.HSS/ N 0102: Perform treadmill	PC1. Take consent from patient base on ECG results	<u> </u>	20	5	15	
test (TT) to	PC2. Prepare patient for test	<u> </u>	20	5	15	
assess	PC ₃ . Ensure patient identification and review indication for procedure		20	5	15	
cardiovascular	PC4. Take pertinent patient history including cardiac risk	200				
response	factors and medications		30	10	20	
163501136	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	1				
	reactions, monitor ECG and take required measurements					
	and recordings, at intervals appropriate to patient's		60	20	40	
	symptoms and/or test protocol					
	PC7. Assist in evaluating test results		30	10	20	
	Total	ı	200	65	135	
3.HSS/ N 0103:	PC1. Ensure patient identification and explain procedure to					
Assist	the patient		20	10	10	
cardiologist in	PC2. Record patient's demographic data and vitals		50	20	30	
assessing cardiac	PC3. Activate machine, calibrate if required	200	50	20	30	
structure and	PC4. Know about heart function and anatomy		30	30	0	
function using	PC ₅ . Prepare patients for ultrasound		50	10	40	
cardiac	· ·	•	-			
ultrasound	Total	T	200	90	110	
4.HSS/ N 0104:	PC1. Ensure patient identification	4	20	10	10	
Assist with	PC2. Obtain patient's informed consent if required as per		20	10	10	
transesophageal	the protocols	200				
cardiac	PC3. Review indication and explain the procedure and		40	20	20	
ultrasound	requirements to patient	<u> </u>			-	
studies	PC4. Arrange the set up for transesophageal ultrasound	4	60	20	40	
	PC5. Assemble tray for procedure, including intravenous		60	20	40	
	setup, and draw up medication as required				-	
HCCAN	Total		200	80	120	
5.HSS/ N 0105:	PC1. Ensure patient identification and obtain patient's	200	40	20	20	









		Total	Out Of		Marks Allocation		
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Mark s (400)		Viva	Skills Practica I		
Assist with	informed consent						
pericardiocentesi s procedure by	PC2. Explain the indication for the test and the procedure		6.0	2.0			
	to the patient		60	20	40		
echocardiograph	PC3. Set up pericardiocentesis tray		100	20	80		
У	Total		200	60	140		
6.HSS/ N 0106:	PC1. Confirm identity of patient		20	10	10		
Assist with implant of	PC2. Explain procedure and have patient sign informed consent		40	10	30		
pacemakers by	PC3. Prepare table and assist in patient transfer	200	80	20	60		
establishing lead integrity	PC4. Follow the instructions to determine the type of the lead to be used		60	20	40		
integrity	Total		200	60	140		
7.HSS/ N 0107:	PC1. Ensure patient identification		20	10	10		
Assist with	PC2. Explain procedure and take informed consent	1	30	10	20		
insertion of	PC3. Prepare table and assist in patient transfer	200	70	30	40		
temporary pacemakers	PC4. Ensure that a defibrillator and other resuscitation equipment are immediately accessible		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: Demonstrate	PC1. Prepare the cardiovascular equipment and hemodynamic monitoring system in preparing for various diagnostic procedure treatment		20	10	10		
proficiency in using equipment	PC2. Prepare the physiologic and analytical equipment during diagnostic and therapeutic procedures performed by the physician		20	10	10		
	PC3. Assists in the performance of diagnostic cardiac equipment		16	6	10		
	PC4. Interpret pressure waveforms and operates all physiological recording equipment		18	6	12		
	PC5. Perform procedures on equipment such as:						
	· Calipers		2	0	2		
	· Computers/keyboards/databases		2	0	2		
	· Single-channel and three channel electrocardiographs		2	0	2		
	· Ambulatory ECG recorder/monitor	200	2	0	2		
	· Ambulatory ECG analysis systems		2	0	2		
	· Oscilloscopes		2	0	2		
	· Treadmills and stress system recording devices		2	0	2		
	· Ergometer and bicycle]	2	0	2		
	· Digital, mercury, aneroid]	2	0	2		
	· Sphygmomanometers]	2	0	2		
	· Oxygen saturation devices]	2	0	2		
	· External pacemakers]	2	0	2		
	· External defibrillators]	2	0	2		
	· External pacing systems]	2	0	2		
	· ECG management systems]	2	0	2		
	· ECG/BP computer systems		2	0	2		









		Total	Out Of		larks ocation
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Mark s (400)		Viva	Skills Practica I
	· Simulators		2	0	2
	· Intravenous pumps		2	0	2
	· Tilt table		2	0	2
	· Stethoscope		2	0	2
	Resuscitation cart		2	0	2
	· 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	-	2	0	2
	Temporary pacemakers				
	· Pacemaker minclinic		2	0	2
			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		22	20	2
	purchasing recommendations Total				0
a LICCINI aCaa	PC1. Preform the standard precautions to prevent the		200	72	128
9. HSS/ N 9610 (Follow infection control policies	spread of infection in accordance with organisation requirements		5	0	5
and procedures)	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 procedures of the organization	200	5	0	5
	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 body fluids as required		10	0	10
	PC9. Place appropriate signs when and where appropriate		20	10	10
	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 contamination		5	0	5
	PC12. Follow hand washing procedures		5	0	5









Accessable		Total Mark	Out		larks ocation	
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	s (400)	Out Of	Viva	Skills Practica I	
	PC13. Implement hand care procedures		5	0	5	
	PC14. Cover cuts and abrasions with water-proof dressings and change as necessary		5	5	0	
	PC15. Wear personal protective clothing and equipment that complies with Indian Standards, and is appropriate for the intended use		5	0	5	
	PC16. Change protective clothing and gowns/aprons daily, more frequently if soiled and where appropriate, after each patient contact		5	0	5	
	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 zone		20	10	10	
	PC20. Wear appropriate personal protective clothing and equipment in accordance with occupational health and safety policies and procedures when handling waste		5	0	5	
	PC21. Separate waste at the point where it has been generated and dispose of into waste containers that are colour coded and identified		5	0	5	
	PC22. Store clinical or related waste in an area that is accessible only to authorised persons		5	5	О	
	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		5	0	5	
	PC24. Dispose of waste safely in accordance with policies and procedures of the organisation and legislative requirements		5	5	0	
	PC25. Wear personal protective clothing and equipment during cleaning procedures		5	0	5	
	PC26. Remove all dust, dirt and physical debris from work surfaces		5	0	5	
	PC27. Clean all work surfaces with a neutral detergent and warm water solution before and after each session or when visibly soiled		5	0	5	
	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	
	Grand Total-1 (Subject Domain)			00		
	Pick one field from both parts Soft Skills and Communication each carrying 50 marks totalin 100					
Part 1 (Pick one fie	eld randomly carrying 50 marks)					









Assessable		Tota Mark		Out -	Marks Allocation	
Outcomes	Assessment Criteria for the Assessable Outcomes	s (400)		Of	Viva	Skills Practica I
1. Attitude						
HSS/ N 9603 (Act within the limits	PC1. Adhere to legislation, protocols and guidelines relevant to one's role and field of practice		2	0		2
of one's competence and	PC2. Work within organisational systems and requirements as appropriate to one's role		2	0		2
authority)	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	PC1. Adhere to protocols and guidelines relevant to the role and field of practice		3	1		2
conduct while performing	PC2. Work within organisational systems and requirements as appropriate to the role		3	1		2
duties)	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		1	0		1
	PC5. Use protocols and guidelines relevant to the field of practice	20	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 Managem			ı	1	ı	
HSS/ N 9602 (Ensure	PC1. Maintain adequate supplies of medical and diagnostic supplies		5	5		0
availability of	PC2. Arrive at actual demand as accurately as possible	25	5	3		2
medical and diagnostic	PC3. Anticipate future demand based on internal, external and other contributing factors as accurately as possible		10	5		5









Assessable		Total Mark		Out -	Marks Allocation		
Outcomes	Assessment Criteria for the Assessable Outcomes	s (400)		Of	Viva	Skills Practica I	
supplies)	PC4. Handle situations of stock-outs 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	PC2. Utilise time effectively		3	0		3	
requirements)	PC3. Ensure his/her work meets the agreed requirements	25	3	0		3	
	PC4. Treat confidential information correctly		3	3		0	
	PC5. Work in line with the organisation's procedures and policies and within the limits of his/her job role		6	3		3	
			25	11		14	
	Work Management Total	50	50	29		21	
Part 2 (Pick one fie	eld as per NOS marked carrying 50 marks)				•		
1. Team Work							
HSS/ N 9604 (Work effectively	PC1. Communicate with other people clearly and effectively		3	0		3	
with 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	50	3	0		3	
	PC5. Carry out any commitments made to other people		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	
	1 co. 1 onow the organisation 5 poncies and procedures	ı	50	24		26	
2. Safety manager	nent		50	-4		20	
HSS/ N 9606 (Maintain a safe, healthy, and	PC1. Identify individual responsibilities in relation to maintaining workplace health safety and security requirements		6	2		4	
secure working environment)	PC2. Comply with health, safety and security procedures for the workplace		4	0		4	
,	PC3. Report any identified breaches in health, safety, and security procedures to the designated person		4	3		1	
	PC4. Identify potential hazards and breaches of safe work practices	50	6	4		2	
	PC5. Correct any hazards that individual can deal with safely, competently and within the limits of authority		6	4		2	
	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		6	4		2	
	PC7. Follow the organisation's emergency procedures promptly, calmly, and efficiently		6	2		4	









Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Mark) .	Marks Allocation	
		(400)	,	Out Of	Viva	Skills Practica I
	PC8. Identify and recommend opportunities for improving		6	4		2
	health, safety, and security to the designated person			7		
	PC9. Complete any health and safety records legibly and		6	2		4
	accurately			25		25
3. Waste Managen	 nent		50	25		25
HSS/ N 9609	PC1. Follow the appropriate procedures, policies and					
(Follow	protocols for the method of collection and containment		6	2		
biomedical waste	level according to the waste type		O			4
disposal	PC2. Apply appropriate health and safety measures and					
protocols)	standard precautions for infection prevention and control					
,	and personal protective equipment relevant to the type		8	4		4
	and category of waste					
	PC3. Segregate the waste material from work areas in line					
	with current legislation and organisational requirements		4	0		4
	PC4. Segregation should happen at source with proper					
	containment, by using different colour coded bins for		8	4		4
	different categories of waste					•
		50		_		_
	type and content of waste		4	2		2
	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		4	4		0
	PC8. Transport the waste to the disposal site, taking into		,	,		0
	consideration its associated risks		4	4		U
	PC9. Report and deal with spillages and contamination in		4	4		0
	accordance with current legislation and procedures		4	4		
	PC10. Maintain full, accurate and legible records of					
	information and store in correct location in line with		4	4		0
	current legislation, guidelines, local policies and protocols					
0 11:			50	32		18
4. Quality Assuran					1	
HSS/ N 9611:	PC1. Conduct appropriate research and analysis		6	2		4
Monitor and	PC2. Evaluate potential solutions thoroughly		8	4		4
assure quality	PC3. Participate in education programs which include					
	current techniques, technology and trends pertaining to		4	0		4
	the dental industry	_				
	PC4. Read Dental hygiene, dental and medical publications		8	4		4
	related to quality consistently and thoroughly	50				
	PC5. Report any identified breaches in health, safety, and		4	2		2
	security procedures to the designated person	-	•			
	PC6. Identify and correct any hazards that he/she can deal		,	l .		•
	with safely, competently and within the limits of his/her authority		4	4		0
-	PC7. Promptly and accurately report any hazards that	1	,	,		0
	1 C/. 1 Tompuy and accorately report any nazarus tilat		4	4		U









Assessable		Total Mark		Out		Marks Allocation	
Outcomes	Assessment Criteria for the Assessable Outcomes	(400)		Of	Viva	Skills Practica I	
	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		4	4		0	
	PC9. Identify and recommend opportunities for improving health, safety, and security to the designated person		4	4		0	
	PC10. Complete any health and safety records legibly and accurately		4	4		0	
			50	32		18	
Grand Total-2 (Soft Skills and Communication)		100					
Detailed Break Up of Marks		Theory					
Subject Domain Pick any 40 PCs each ca		, ,					









Assessable	Assessment Criteria for the Assessable Outcomes	Total Marks	Marks Allocation
Outcomes	Assessment Citteria for the Assessable Outcomes	(80)	Theory
1. HSS/ N 0101 Monitor patients'	PC1. Set the room for taking the ECG readings		2
	PC2. Attach, connect, and operate electrodes from specified		
heart rate and	body areas to leads from electrocardiograph machine		2
rhythm using	PC3. Review patient's record and instructs patients prior to	1	
electrocardiogram	procedures		2
(ECG) equipment	PC4. Set the ECG machines and explain the ECG procedures	1,	2
	clearly to the patient	14	2
	PC5. Monitor patient during procedures and report any		2
	abnormal findings		
	PC6. Edit and forward results to attending physician for		2
	analysis and interpretation		
	PC7. Maintains ECG equipment and supplies		2
	Total		14
2.HSS/ N 0102:	PC1. Take consent from patient base on ECG results		2
Perform treadmill	PC2. Prepare patient for test		2
test (TT) to assess	PC ₃ . Ensure patient identification and review indication for		2
cardiovascular	procedure		2
response	PC4. Take pertinent patient history including cardiac risk		2
	factors and medications	14	2
	PC ₅ . Explain purpose and procedure to the patient and clarify		2
	requirements of them for the test		2
	PC6. Continually observe the patient's condition and		
	reactions, monitor ECG and take required measurements and		2
	recordings, at intervals appropriate to patient's symptoms		2
	and/or test protocol		
	PC7. Assist in evaluating test results		2
	Total		14
3.HSS/ N 0103:	PC1. Ensure patient identification and explain procedure to		2
Assist cardiologist in	the patient		
assessing cardiac	PC2. Record patient's demographic data and vitals	10	2
structure and	PC3. Activate machine, calibrate if required		2
function using	PC4. Know about heart function and anatomy		2
cardiac ultrasound	PC ₅ . Prepare patients for ultrasound		2
	Total		10
4.HSS/ N 0104:	PC1. Ensure patient identification		2
Assist with	PC2. Obtain patient's informed consent if required as per the		2
transesophageal cardiac ultrasound studies	protocols		_
	PC3. Review indication and explain the procedure and	10	2
	requirements to patient		
	PC4. Arrange the set up for transesophageal ultrasound	↓	2
	PC5. Assemble tray for procedure, including intravenous		2
	setup, and draw up medication as required		
	Total	<u> </u>	10
5.HSS/ N 0105:	PC1. Ensure patient identification and obtain patient's		2
Assist with	informed consent	6	-
pericardiocentesis	PC2. Explain the indication for the test and the procedure to		2
procedure by echo	the patient	<u> </u>	_









Assessable		Total	Marks Allocation
Outcomes	Assessment Criteria for the Assessable Outcomes	Marks (8o)	Theory
cardiography	PC3. Set up pericardiocentesis tray		2
	Total		6
6.HSS/ N 0106:	PC1. Confirm identity of patient		2
Assist with implant	PC2. Explain procedure and have patient sign informed		2
of pacemakers by	consent	8	2
establishing lead	PC3. Prepare table and assist in patient transfer]	2
integrity	PC4. Follow the instructions to determine the type of the lead		2
	to be used		
	Total		8
7.HSS/ N 0107:	PC1. Ensure patient identification	↓	2
Assist with insertion	PC2. Explain procedure and take informed consent	↓	2
of temporary	PC3. Prepare table and assist in patient transfer	↓	2
pacemakers	PC4. Ensure that a defibrillator and other resuscitation	10	2
	equipment are immediately accessible	↓	
	PC5. Ensure that strict aseptic technique is used like using a		2
	mask, gown and gloves		
0.1166711 0	Total		10
8. HSS/ N 0108:	PC1. Prepare the cardiovascular equipment and hemodynamic		_
Demonstrate	monitoring system in preparing for various diagnostic procedure treatment		2
proficiency in using equipment	PC2. Prepare the physiologic and analytical equipment during	 	
ефогритент	diagnostic and therapeutic procedures performed by the		2
	physician		2
	PC3. Assists in the performance of diagnostic cardiac	+ +	
	equipment		2
	PC4. Interpret pressure waveforms and operates all	† F	
	physiological recording equipment		2
	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	20	
	· Oscilloscopes		
	· Treadmills and stress system recording devices		
	· Ergometer and bicycle		
	· Digital, mercury, aneroid		C
	· Sphygmomanometers		6
	· Oxygen saturation devices		
	· External pacemakers		
	· External defibrillators	<u> </u>	
	· External pacing systems	<u> </u>	
	· ECG management systems	<u> </u>	
	· ECG/BP computer systems		
	· Simulators	<u> </u>	
	· Intravenous pumps	1	
	· Tilt table		









Assessable		Total	Marks Allocation
Outcomes	Assessment Criteria for the Assessable Outcomes	Marks (8o)	Theory
	· 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		2
	PC7. Review technical specifications of equipment required		2
	PC8. Compare cost/benefits of equipment to assist in		
	purchasing recommendations		2
	Total	"	20
. HSS/ N 9610	PC1. Preform the standard precautions to prevent the spread		
ollow infection	of infection in accordance with organisation requirements		2
ontrol policies and	PC2. Preform the additional precautions when standard		
rocedures)	precautions alone may not be sufficient to prevent		
	transmission of infection		
	PC ₃ . 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		2
	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	36	
	for specific risks		2
	PC8. Follow protocols for care following exposure to blood or		
	other body fluids as required		2
	PC9. Place appropriate signs when and where appropriate		2
	PC10. Remove spills in accordance with the policies and	1	2
	procedures of the organization		2
	PC11. Maintain hand hygiene by washing hands before and		
	after patient contact and/or after any activity likely to cause		
	contamination		2
	PC12. Follow hand washing procedures		
	PC13. Implement hand care procedures		
	PC14. Cover cuts and abrasions with water-proof dressings and change as necessary		2
	I AUGULIANUE AS HELESSALV	1	









Assessable		Total	Marks Allocation
Outcomes	Assessment Criteria for the Assessable Outcomes	Marks (8o)	Theory
	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-		2
	designated clean zone		
	PC19. Confine contaminated instruments and equipment to a		
	well-designated contaminated zone	-	
	PC20. Wear appropriate personal protective clothing and		
	equipment in accordance with occupational health and safety		2
	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		2
	colour coded and identified		
	PC22. Store clinical or related waste in an area that is		2
	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		2
	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		2
	during cleaning procedures		
	PC26. Remove all dust, dirt and physical debris from work		
	surfaces		
	PC27. Clean all work surfaces with a neutral detergent and		2
	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		2
	compliance with cleaning, disinfection and sterilisation		2
	protocols		
	PC29. Dry all work surfaces before and after use		
	PC30. Replace surface covers where applicable		2
	PC ₃ 1. Maintain and store cleaning equipment		
	Total	'	36
	Grand Total-1 (Subject Domain)	80	
	•		ach part each carryii
Soft Skills and Communication			marks totaling 20









Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (20)	Marks Allocation Theory
Part 1			
1. Attitude			1
HSS/ N 9603	PC1. Adhere to legislation, protocols and guidelines relevant to one's		
(Act within the limits of one's	role and field of practice PC2. Work within organisational systems and requirements as		
competence	appropriate to one's role		
and authority)	PC3. Recognise the boundary of one's role and responsibility and seek		
and additiontly)	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	2	2
	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
HSS/ N 9607	PC1. Adhere to protocols and guidelines relevant to the role and field		_
(Practice Code	of practice		
of conduct	PC2. Work within organisational systems and requirements as		
while	appropriate to the role		
performing	PC ₃ . Recognise the boundary of the role and responsibility and seek		
duties)	supervision when situations are beyond the competence and authority		
	PC4. Maintain competence within the role and field of practice	_	_
	PC5. Use protocols and guidelines relevant to the field of practice	2	2
	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 Manag			
HSS/ N 9602	PC1. Maintain adequate supplies of medical and diagnostic supplies		
(Ensure	PC2. Arrive at actual demand as accurately as possible	_	
availability of	PC ₃ . Anticipate future demand based on internal, external and other	2	4
medical and	contributing factors as accurately as possible	_	
diagnostic	PC4. Handle situations of stock-outs or unavailability of stocks without		
supplies)	compromising health needs of patients/ individuals		
1166431 6	Total		4
HSS/ N 9605	PC1. Clearly establish, agree, and record the work requirements		
(Manage work	PC2. Utilise time effectively	2	2
to meet	PC3. Ensure his/her work meets the agreed requirements		
requirements)	PC4. Treat confidential information correctly		









Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (20)	Marks Allocation
	PC ₅ . Work in line with the organisation's procedures and policies and		Theory
	within the limits of his/her job role		
	Total		2
	Work Management Total	4	6
	Part 1 Total	10	10
Part 2	1 4102 1 0041		10
1. Team Work			
HSS/ N 9604	PC1. Communicate with other people clearly and effectively		
(Work	PC2. Integrate one's work with other people's work effectively		
effectively	PC3. Pass on essential information to other people on timely basis		
with others)	PC4. Work in a way that shows respect for other people		
,	PC5. Carry out any commitments made to other people	2	2
	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 mana			2
HSS/ N 9606	PC1. Identify individual responsibilities in relation to maintaining		
(Maintain a	workplace health safety and security requirements		
safe, healthy,	PC2. Comply with health, safety and security procedures for the		
and secure	workplace		
working	Workplace		
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	2	2
	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		
	PCg. Complete any health and safety records legibly and accurately		
	Total	L	2
3. Waste Mana			<u> </u>
HSS/ N 9609	PC1. Follow the appropriate procedures, policies and protocols for the		
(Follow	method of collection and containment level according to the waste		
biomedical	type		
waste disposal	PC2. Apply appropriate health and safety measures and standard		
protocols)	precautions for infection prevention and control and personal	4	4
. ,	protective equipment relevant to the type and category of waste		T
	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,		









Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (20)	Marks Allocation Theory
	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		4
4. Quality Assu			1
HSS/ N 9611:	PC1. Conduct appropriate research and analysis		
Monitor and	PC2. Evaluate potential solutions thoroughly		
assure quality	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		
	PC ₅ . 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,	2	2
	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		
	Total		2
Part 2 Total			10
	Grand Total-2 (Soft Skills and Communication)	2	0