







APPRENTICESHIP CURRICULUM (OPTIONAL TRADE)

Healthcare

Central Sterile Service Department- Assistant

Course Code: C0012300019

⊠NAPS □Non-NAPS

NSQF Level: 4

Job Role Relevant Image Place Holder

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Course Details

1.	Course Name	Central Sterile Service Department- Assistant					
2.	Course Code	CO0123	CO012300019				
3.	Apprenticeship Training Duration:	Months: 12					
	(2 to 4 weeks of BT is embedded in this duration as per the requirement of						
	the establishment)						
	Remarks						
4.	Credit	TBD					
5.	NSQF Level (Mandatory for NAPS)	4		NSQC App	proval Date: 28/07/2022		
6.	Related NSQF aligned qualification details						
		S. No.	QP/ Qualification/ NOS	QP/ NOS Code &	NQR Code		
			Name (As applicable)	Version			
		1	Central Sterile Service	HSS/Q6201, V2.0	2022/HLT/HSSC/06139		
			Department- Assistant				
7.	Brief Job Role Description		•	•	ctions of decontamination,		
			y and sterile processing, s	_	•		
		personn	el of department for steri	lization, cleaning an	d disinfection process.		
8.	NCO-2015 Code & Occupation (Access the NCO 2015 volumes from:	NCO-20	15/NIL, Non Direct Care				
	https://labour.gov.in/organizationsofmole/directorate-general-employment-training-dget						

9.	Minimum Eligibility Criteria	12th Class Pass						
	(Educational and/ or Technical Qualification)	OR						
		10th Class Pass v	with 2 years of r	elevant experien	ce			
		OR						
		Previous relevan	nt Qualification	of NSQF Level 3 w	ith 2 years of rel	evant		
		experience						
10.	Entry Age for Apprenticeship	18 Years & Abov	<i>ie</i>					
11.	Any Licensing Requirements (wherever applicable)	N/A						
12.	Is the Job Role amenable to Persons with Disability	☐ Yes	0					
		If yes, check the	applicable type	e of Disability				
			☐ Leprosy	☐ Cerebral	☐ Dwarfism			
		Locomotor	Cured	Palsy		Muscular		
		Disability	Person	_		Dystrophy		
		☐ Acid	☐ Blindness	☐ Low Vision	☐ Deaf	☐ Hard of		
		Attack Victims				Hearing		
		□ Speech		☐ Specific	☐ Autism	☐ Mental		
		and	니 Intellectual	Learning	Spectrum	Illness		
		Language	Disability	Disabilities	Disorder	655		
		Disability						
		☐ Multiple				☐ Sickle		
		Sclerosis	Parkinson's	Haemophilia	Thalassemia	Cell		
			Disease			Disease		
		☐ Multiple						
		Disabilities						
		Remarks:						

13.	Submitting Body Details	Name: Healthcare Sector Skill Council					
		E-mail ID: hsscst@healthcare-ssc.in					
		Contact Number: 011-41017346/40505850, Extn: 111					
14.	Certifying Body	Healthcare Sector Skill Council					
15.	Employment Avenues/Opportunities	Employment opportunities as per industry requirement					
16.	Career Progression	Level 5- Team Leader/ Supervisor or					
		Level 5: Specialization in advanced procedures through bridge course					
17.	Trainer's Qualification & Experience:	Postgraduate (Master's Degree in Hospital Administration/					
		Management) with 2 years of total experience					
		Graduate (Any Graduate with Degree/Diploma/certificate in Operating					
		Theatre Technician or CSSD) with 2 years of experience					
		 Diploma (in Operating Theatre Technician/CSSD) with 6 years of 					
		experience					
		12th Class (with Degree/Diploma/certificate in Operating Theatre					
		Technician or CSSD) with 4 years of experience					
18.	Curriculum Creation Date	20/01/2023					
19.	Curriculum Valid up to Date	28/07/2025					

Module Details

S.	Module/NOS Name, Code,	Outcomes	Assessment Marks		Passing Pe	ercentage
No	Version		Th.	Pr.	Th.	Pr.
1.	Orientation to Healthcare Industry and department of CSSD NOS Code: Facilitate effective cleaning functions in CSSD	 Identify the different types of Health Care Delivery models. Describe the role and function of the hospital in patient care and services 	10	10	70	70
	NOS Code: HSS/N6201					
2.	Roles and responsibilities of CSSD Assistant NOS Code: Facilitate effective cleaning functions in CSSD NOS Code: HSS/N6201	 Describe the functions of Central Sterile Service Department Assistant Assess needs of departments for sterilizations and cleaning activities and act accordingly Develop skill in documentation and maintain proper registers related to CSSD function Describe employees responsibilities e.g. punctuality, discipline, integrity, grievance redressal process 	10	10	70	70

S.	Module/NOS Name, Code,	Outcomes	Assessment Marks		ent Marks Passing Percentage	
No	Version		Th.	Pr.	Th.	Pr.
		 Describe process involved in intake of articles Describe process involved during delivery of articles Describe proper handling of sterile equipment's. Prepare complete surgical sets as per the requirement of the operating surgeons Present a positive personal image. Develop understanding of the quality assurance at CSSD Develop skill in handling various machines and sterilizers of CSSD 				
3.	Care of equipment's and sterilizing apparatus Nos Name: Facilitate effective functioning of steam sterilizer	 Follow the manufacturers' guidelines for intermittent care of the equipment's of sterilization. Check equipment's routinely before use 	20	20	70	70
	NOS Code: HSS/N6202					

S.	Module/NOS Name, Code,	dule/NOS Name, Code, Outcomes Assessment Marks		nt Marks	Passing Pe	rcentage
No	Version		Th.	Pr.	Th.	Pr.
4.	Reporting and Documentation NOS Name: Facilitate effective functioning of steam sterilizer NOS Code: HSS/N6202	 Define the scope of practice for CSSD Assistant Define reporting matrix and discuss the methods. Explain importance of maintaining various records and Obtain records them from related resources Explain various types of records to be maintained by CSSD assistant Demonstrate essential components of various records and method of documentation and their retrieval Discuss the legal implications of 	10	10	70	70
		Electronic Medical Records/Electronic Health Records • Develop skill in documentation and maintain proper registers related to CSSD function				
5.	Brief knowledge about microbiology and micro-organisms NOS Name: Sterilize loads of CSSD	 Discuss about the different types of microorganisms Explain how the microbes alter the sterility process Practice the skills required to prevent the growth of microorganisms 	20	50	70	70

S.	Module/NOS Name, Code,	Outcomes	Assessment Marks		Outcomes Assessment Marks Passing Percent			
No	Version		Th.	Pr.	Th.	Pr.		
	NOS Code: HSS/N6204	 Practice the skill required in different sterilization process 						
6.	Infection Control and Prevention NOS Name: Follow infection control policies & procedures including biomedical waste disposal protocols NOS Code: HSS/N9618,	 Explain the importance of infection control and prevention in CSSD department Identify of deviation from sterility Understand different types of disinfections Explain the procedure to maintain hand hygiene Explain the process of infection control/exposure control/ Explain the usage of PPE Discuss the elements of transmission and chain of infection Explain causative agent Discuss Reservoir/ Source Explain Portal of exit Develop techniques of selfgrooming and maintenance Equip with techniques of use of PPE Discuss the environmental concerns in central service areas. 	10	15	70	70		

S.	Module/NOS Name, Code,	Outcomes	Assessme	nt Marks	Passing Pe	rcentage
No	Version		Th.	Pr.	Th.	Pr.
7.	Introduction to effective cleaning functions NOS Name: Facilitate effective cleaning functions in CSSD NOS Code: HSS/N6201	 Explain the meaning of cleaning Introduce to the concept of decontamination of work area Explain the concepts of design and location of the decontamination area Determine the type of mechanical cleaning equipment required, utilizing the facility workload and types of surgery performed Explain the steps in the process of decontamination Determine the criteria for 	42	35	70	70
		 installation, operational and performance qualification of mechanical cleaning equipment in conjunction with manufacturer and organization policies Ensure criteria determined include the quality of water hardness and verification of cleaning efficiency Coordinate to ensure that documentation for installation qualification is 				

S.	Module/NOS Name, Code,	Outcomes	Assessme	nt Marks	Passing Per	centage
No	Version		Th.	Pr.	Th.	Pr.
		 completed by the designated personnel Carry out periodic risk analysis Develop a monitoring program to ensure annual PQ results and parameters Complete a program for annual PQ, troubleshooting non- compliance Coordinate for site inspection prior to installation for correct plumbing, ventilation and floor levels Explain the cleaning methodologies select chemicals in accordance with instructions from manufacturer of mechanical cleaning equipment Determine chemical dosing levels in line with instructions from supplier of chemicals, equipment manufacturer and the quality of water hardness Apply appropriate methods for chemical dosing Monitor quality of metal instrument surface 				

S.	Module/NOS Name, Code,	Outcomes	Assessment Marks		Outcomes Assessment Marks Passing Percentage			ercentage
No	Version		Th.	Pr.	Th.	Pr.		
8.	Facilitate effective steam sterilizer function NOS Name: Facilitate effective functioning of steam sterilizer NOS Code: HSS/N6202	 Describe the skill and knowledge required to monitor and proper functioning of steam sterilizer and its quality. Contribute to planning preventative maintenance for steam sterilizers Assess data from monitoring processes Maintain records of the CSSD Liaise with maintenance personnel/assistants Complete validation processes Describe planning preventative maintenance for steam sterilizer. Describe different types of sterilization Describe how to maintain sterility storage and transport 	32	15	70	70		
9.	Manage availability, effectiveness and reprocessing of reusable medical devices	 Define the measures to be taken for reusable items to withstand high quality standards. Maintain stock levels of reusable medical devices and packing material 	25	20	70	70		

S.	Module/NOS Name, Code,	Outcomes	Assessme	nt Marks	Passing Per	centage
No	Version		Th.	Pr.	Th.	Pr.
	NOS Name: Manage availability, effectiveness and reprocessing of reusable medical device NOS Code: HSS/N6203	 Monitor stock levels of reusable medical devices and packing material Record stock levels of reusable medical devices and packing material Manage maintenance of reusable medical devices Provide information about the care of reusable medical equipment Facilitate monitoring and maintenance requirements Explain the importance of maintaining and monitoring various records and packing material of reusable items Describe maintenance of reusable medical devices 				
10.	NOS Name: Sterilize loads of CSSD NOS Code: HSS/N6204	 Describe the sterilization equipment functions adhere to guidelines and policies. Describe preparation of sterilization equipment. Explain the functioning of a loading sterilizer. 	53	210	70	70

S. Module/NOS Name, Code,	Outcomes	Assessment Marks		arks Passing Percentag	
No Version		Th.	Pr.	Th.	Pr.
	 Describe the process to operate a sterilizer. Explain unloading and releasing sterilized loads Describe HSE procedures. Explain quality management requirements compilation. 				
11. Facilitate effective low temperature sterilizer function NOS Name: Facilitate effective low temperature sterilizer function NOS Code: HSS/N6205	 Describe the skill and knowledge required to monitor and proper functioning of low temperature sterilizer keeping in mind safety and guidelines recommendation. Describe planning preventative maintenance for low temperature sterilizer. Assess data from monitoring processes Contribute to organization and operational policies and procedures Liaise with maintenance personnel/assistants Describe the need of low temperature basic sterilization requirements. Describe the process of maintaining 	40	40	70	70

S.	Module/NOS Name, Code,	Outcomes	Assessme	ent Marks	Passing Pe	rcentage
No	Version		Th.	Pr.	Th.	Pr.
12.	Organize and set up trolleys in operation theatre NOS Name: Manage availability, effectiveness and reprocessing of reusable medical device NOS Code: HSS/N6203	 Apply operating and monitoring of steam autoclave, ETO, sonic washer and other sterilizing methods Practice the skills to organize surgical instrument trolley Practice the skills required to maintain the sterile field around the trolley and operation theatre Record sterilizing test result stocking and crash cart inventory. 	05	10	70	70
13.	Maintain interpersonal relationship with colleagues and others NOS Name: Maintain interpersonal relationship with patients, colleagues and others NOS Code: HSS/N9615	 Maintain professional behavior with co-workers and patients and their families. Network with other departments and maintain professionalism Establish and manage requirements, planning and organizing work, ensuring accomplishment of the requirements. Establish requirements, planning and organizing work, ensuring accomplishment of the requirements Manage requirements, planning and organizing work, ensuring 	13	0	70	70

S.	Module/NOS Name, Code,	Outcomes	Assessme	ent Marks	Passing Pe	ercentage
No	Version		Th.	Pr.	Th.	Pr.
		accomplishment of the requirements				
14.	Maintain professional and medico-legal conduct NOS Name: Maintain professional & medico-legal conduct NOS Code: HSS/N9616	 Maintain one's job role and responsibility. Recognize the job role and responsibilities of co-workers. Demonstrate best practices in the field while complying with organization conduct. Adhere to the concept of individuals or team compliance with legislation, protocols and guidelines and organizational systems and requirements 	19	0	70	70
15.	Quality Assurance in CSSD department NOS Name: Manage availability, effectiveness and reprocessing of reusable medical device NOS Code: HSS/N6203	 Explain the need of quality assurance is important Explain quality in central service department Describe components of quality Describe leadership quality Explain planning tools and procedures Describe quality control indicators Analyze the quality concerns 	10	10	70	70

S.	Module/NOS Name, Code, Outcomes		Assessment Marks		Passing Pe	ercentage
No	Version		Th.	Pr.	Th.	Pr.
		 Explain quality central service procedures Describe quality in central service processing areas 				
16.	Bio Medical Waste Management NOS Name: Follow infection control policies & procedures including biomedical waste disposal protocols NOS Code: HSS/N9618	 Apply the principles of proper and safe disposal of bio-medical waste and treatment Apply the categories of bio- medical waste Segregate biomedical waste properly and according to the protocols Dispose off bio-medical waste using proper colour coding, types of containers, transportation methodology. Acquire broad understanding of standards for bio-medical waste disposal Apply the broad understanding of means of bio-medical waste treatment 	11	15	70	70
17.	Safety and First Aid	 Describe symptoms of a cardiac arrest Apply the principles of basic life support (Adult chain of survival , CABDs of giving CPR) 	20	30	70	70

S.	Module/NOS Name, Code,	Outcomes	Assessment Marks		Passing Pe	rcentage
No	Version		Th.	Pr.	Th.	Pr.
	NOS Name: Maintain a safe, healthy and secure working environment	 Describe the correct protocol of chest compression, ventilation, and assessment steps Differentiate between the single 				
	NOS Code: HSS/N9617	 rescuer and two rescuers CPR Describe the conditions when choking occurs Describe the protocol of giving life support during choking Describe the safety measures to 				
		 prevent emergencies Explain Triage Explain the importance of first aid tools and equipment 				
		Total Marks	350	500	70	70

Apprenticeship Curriculum: <NAPS>

Glossary

Term	Description
MC	Medical Coding
HC	HealthCare
PHC	Primary Healthcare Centre
CHC	Community Health Centre
CBC	Complete Blood Count
PT	Physical Therapy
PPE	Personal Preventive Equipment

Acronyms

Acronym	Description
CPR	Cardio Pulmonary Resuscitation
ACLS	Advance Cardiac Life Support
BLS	Basic Life Support
HTN	Hyper Tension
CABG	Coronary Artery Bypass Graft
COPD	Chronic obstructive pulmonary disease
RICU	Respiratory Intensive Care Unit

Annexure 1: Tools and Equipment

List of Tools and Equipment

<Specify the Batch size, if required>

The tools and equipment required are:

S. No.	Tool / Equipment Name	Specification
1	Kidney Tray of varied size	
2	Steel Jug	
3	Steel Bowl	
4	Artery Forcep	
5	Scissors	
6	Dissecting Forcep	
7	Steel Basin (Medium)	
8	Steel Instrument Tray (Medium)	
9	Steel Instrument Tray (Large)	
10	Steel Basin (Small)	
11	Steel Basin (Large)	
12	Sterile bed sheet	
13	Clean Bed Sheet	
14	Stop Watch	
15	Cleaning Solution (multi enzyme)	500 ml bottle
16	Water Gun	
17	Hydrogen Peroxide Bottle	500 ml bottle
18	Air Gun	
19	Washer Disinfector	
20	ETO & Plasma sterilizer	
21	Steam Sterilizer	

22	Ultrasonic & mechanical washer-disinfectors	
23	Hand sanitizer	500 ml bottle
24	Patient Dress Female	
25	Marker	
26	Registers	
27	Patient Dress Male	
28	Hand Washing Wash basin	
29	Cotton Absorbent	
30	CPR Manikin	
31	Cotton Rolls	
32	Betadine Solution Bottle	
33	Gauze Piece (4X4)	packet
34	Different Colur Plastic Bags With Dustbins (Yellow)	
35	Different Colur Plastic Bags With Dustbins (Black)	
36	Bath Soap	
37	Hair Cap - Packet	
38	Mask - Packet	
39	Different Colur Plastic Bags With Dustbins (Blue)	
40	Different Colur Plastic Bags With Dustbins (Red)	
41	Wet Wipes	Packet
42	Spirit	500 ml bottle
43	Sponge Cloth	
44	Shoe Cover - Packet	Packet
45	Small Bath Towel	
46	Liquid Soap Bottle	

47	Gloves (Disposable) - Packet	
48	Big Towel	
49	Gown - PPE	
50	Suction Catheter of various size	1 of each size
51	Bandage	
52	Draw Sheet	
53	Stethoscope	
54	Steel Gauze Drums	
55	Dressing Trolley	
56	Rubber Sheet/ Mackintosh	
57	Measuring Glass	
58	Syringe 50 cc/ ml	
59	Dressing Kit	
60	Goggles (PPE)	
61	Transfer Forcep (Cheatle)	
62	B.P. Monitoring Machine	
63	Syringe Sterilizer	
64	Syringe Destroyer with needle burner	
65	Steel Instrument Tray (Small)	
66	Nail Cutter & Filer	
67	Micropore of varied size	1 of each size

Apprenticeship Curriculum: <NAPS>

Classroom Aids

The aids required to conduct sessions in the classroom are:

- 1 Projector
- 2 Computer/laptops
- 3 Internet connectivity
- 4 Whiteboard

Annexure 2: Assessment Strategy

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

National Occupational Standards	TheoryMarks	PracticalMarks	ProjectMarks	Viva Marks	TotalMarks
HSS/N6201.Facilitate effective cleaning functions in CSSD	62	-	-	55	317
HSS/N6202.Facilitate effective functioning ofsteam sterilizer	62	-	-	45	107
HSS/N6203.Manage availability, effectiveness and reprocessing of reusablemedical device	40	-	-	40	80

HSS/N6204.Sterilize loads of CSSD	73	200	-	60	333
HSS/N6205.Facilitate effective low temperaturesterilizer function	40	-	-	40	80
HSS/N9615.Maintain interpersonal relationship with patients, colleagues andothers	13	-	-	-	13
HSS/N9616.Maintain professional & medico-legalconduct	19	-	-	-	19
HSS/N9617.Maintain a safe,healthy and secure workingenvironment	20	-	-	30	50
HSS/N9618.Follow infection control policies & proceduresincluding biomedical waste disposal protocols	21	-	-	30	51
Total	350	200	-	300	1050

Annexure 3: Mode of Training

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

S. No.	Module Name/NOS Name (As Per	Name of Mapped Online Component	URL of Mapped Online Component
	Curriculum)		
1	Basic Approaches to Public Healthcare and knowledge of computer applications	https://yashodahospitals.medlern.com/home/categories	https://yashodahospitals.medlern.com/home/categories
2	Infection Control & Prevention		https://yashodahospitals.medlern.com/home/categories
3	Safety & First Aid	https://yashodahospitals.medlern.com/home/categories	https://yashodahospitals.medlern.com/home/categories
4	Payment and Billing	https://yashodahospitals.medlern.com/home/categories	https://yashodahospitals.medlern.com/home/categories

Infra requirement:

- PC/Laptop
- Internet
- Subject Materials
- Basic Infra
- Refreshment
- Training Calendar / Agenda