

Revised Application Documentation: Version 5 /25 May 2015

QUALIFICATION FILE – CONTACT DETAILS OF SUBMITTING BODY

Name and address of submitting body:

Healthcare Sector Skill Council

C/o Confederation of Indian Industry, 23, Institutional Area Lodi Road New Delhi – 110 003

Name and contact details of individual dealing with the submission

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List of documents submitted in support of the Qualifications File (attached in following order)

1. Qualification Pack- Annexure1
2. Occupational Mapping Report-Annexure 2
3. Functional Analysis Report-Annexure 3
4. RFP for development of occupational standards-Annexure 4
5. Validation group and industry consultations- Annexure 5
6. The Brief Report on the whole process of the development, validation and notification of these qualification packs along with list of companies and Industry associations involved -Annexure 6
7. Human Resource & Skills Requirement in Healthcare Sector accessible on below given link:
<http://healthcare-ssc.in/images/Human%20Resource%20&%20Skills%20Requirement%20in%20Healthcare%20sector.pdf>
8. Quality Assurance Strategy of Assessment in HSSC-Annexure 7
9. Assessment criteria/framework-Annexure 8

QUALIFICATION FILE SUMMARY

Qualification Title	Blood Bank Technician (HSS/ Q 2801)		
Body/bodies which will assess candidates	Healthcare Sector Skill Council Accredited Assessing Bodies		
Body/bodies which will award the certificate for the qualification.	Healthcare Sector Skill Council		
Body which will accredit providers to offer the qualification.	Healthcare Sector Skill Council		
Occupation(s) to which the qualification gives access	<p>Blood Bank Technician in the Healthcare Industry is also known as a Blood Bank Laboratory technician.</p> <p>Brief Job Description: Blood Bank Technicians work in a lab to collect, label and store blood. The blood bank technicians test samples to screen potential donors, store blood, draws and maintain documentation and records. They make patients comfortable during the procedure and monitor their vital signs. They also check compatibility blood before issuing it out for transfusion. Blood Bank Technicians usually works in blood-donation centers, reference labs, transfusion blood-service centers and research facilities.</p>		
Proposed level of the qualification in the NSQF.	Level 4		
Anticipated volume of training/learning required to complete the qualification.	1000 hrs.		
Entry requirements / recommendations.	Class XII in Science Or Level 3 Phlebotomy with experience of minimum three years in the laboratory setup		
Progression from the qualification.	<p>Progression will be possible in both academic as well as professional area as:</p> <p>Level 5- Team Leader/ Supervisor – Blood Bank</p> <p>or</p> <p>Level 5: Specialization in Advanced Blood Transfusion Techniques as per department through bridge course</p>		
Planned arrangements for RPL.	HSSC has developed RPL policy to conduct pre assessment of students for gap analysis as per NOS, sharing the gap & final assessments of students and certification. It is explained in section 1 under Assessment, Point 2		
International comparability where known	While writing the NOSs the UK NOSs were also referred to and an effort was taken to maintain comparability in the technical part of the NOSs.		
Title of unit or other component (include any identification code used)	Mandatory/ Optional	Estimated size (learning hours)	Level
HSS/ N 2801: Assist nurse in checking vital parameters	Mandatory	Class Room and Skill Lab Training = 600 hours	4
HSS/ N 2802: Collect Blood Donor's Medical	Mandatory	Clinical/Laboratory Training (OJT) =	4

History and screen donors		400 hours	
HSS/ N 2803: Draw blood from donor	Mandatory		4
HSS/ N 2804: Monitor donor during the donation procedure	Mandatory		4
HSS/ N 2805: Screen donated blood for presence of any infection	Mandatory		4
HSS/ N 2806: Document, label and store blood donations	Mandatory		4
HSS/ N 2807: Check compatibility of blood	Mandatory		4
HSS/ N 9603: Act within the limits of one's competence and authority	Mandatory		4
HSS/ N 9604: Work effectively with others	Mandatory		4
HSS/ N 9605: Manage work to meet requirements	Mandatory		4
HSS/ N 9606: Maintain a safe, healthy, and secure working environment	Mandatory		4
HSS/ N 9607: Practice Code of conduct while performing duties	Mandatory		4
HSS/ N 9609: Follow biomedical waste disposal protocols	Mandatory		4
HSS/ N 9610: Follow infection control policies and procedures	Mandatory		4
HSS/ N 9611: Monitor and assure quality	Mandatory		4

Please attach any document giving further detail about the structure of the qualification – eg a Curriculum or Qualification Pack.

Give details of the document here:

Qualification pack is attached as Annexure 1

SECTION 1

ASSESSMENT

Name of assessment body:

If there will be more than one assessment body for this qualification, give details.

Manipal City & Guilds
 IRIS corporate solutions pvt ltd
 Aspiring Mind

CII

Will the assessment body be responsible for RPL assessment?

Give details of how RPL assessment for the qualification will be carried out and quality assured.

HSSC conducts QP-NOS based direct three-way assessment for each and every candidate applied for recognition of prior learning (vis. Certifying the un-certified but skilled workforce who acquired skills through experience of years). Here, the candidates may undergo short-term training of gaps identified. The assessment is conducted via HSSC certified assessor. The assessment pattern is as follows:

REGISTRATION

The candidates need to submit registration form online along with uploading of scanned copies of some mandatory documents. Based on screening of the form, the candidates would be registered on conforming following eligibility criteria.

PRE-ASSESSMENT: The purpose of Pre-assessment is to shortlist candidates as per prescribed limit, and also to notify gaps NOS wise to each candidate for their own self-training or opting for short-term training module before final assessment. The pre-assessment also informs about the reliability of information provided by candidates that they have experience working in the given job role. The pre-assessment is Online, Objective type, NOS based, with Each NOS compulsory each carrying 100 marks, No negative marking for incorrect answers, Test venue is kept as may be home/cyber café/institution/HSSC assessment center if the system have google chrome (Version 41.0.2272.101) and a web camera. Timed test link which expires after 90 minutes from the time of starting / writing the test is used for the same. Result is presented with no. of questions allotted and answered correctly for each NOS along with marks scored for each NOS out of 100.

PORTFOLIO SCREENING

Each registered candidate has to prepare and submit the portfolio as per formats given by HSSC. The portfolio may be verified by HSSC/nominated assessor during pre-assessment and scoring card is given for each portfolio.

FINAL ASSESSMENT: The candidates conforming to RPL guidelines based on both pre-assessment and portfolio screening are finally selected for final assessment. Final assessment is conducted through HSSC accredited Assessing body as per HSSC defined assessment criteria and NOS used for assessment of fresh entrants as described above. Final Assessment is conducted at the training site or at working place in case number of enrolled candidate from the site is more than 15. If needed, Assessment centers is arranged for assessment of candidates in cluster

Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, consistent and fair and show that these are in line with the requirements of the NSQF:

QA regarding accreditation of Assessing Body:

The HSSC Accreditation process is divided into two steps:

1) Pre-accreditation process:

- Apply for Accreditation: Application form with desired documents in prescribed format to be sent.
- Document Compliance Check: to be done for ensuring the compliance and adherence of applied assessing body according to criteria laid down by HSSC.
- Presentation on Quality Assurance: to be given by Assessing body highlighting the quality assurance process laid down by AB at the process points
- Once the assessing body clears the due diligence process, the accreditation is given along with terms and conditions.

2) Post-accreditation process: Post accreditation, the accredited assessing bodies needs to fulfill following minimum eligibility criteria or requisites for implementation:

- All Empanelled Assessors would have to undergo “**Train the Assessor**” Program conducted by HSSC for each job role time to time.
- Accredited Assessing Body would have to abide with requisite time-lines, policies and regulations declared by HSSC.
- Accredited Assessing Body with times would have to contribute in expansion of the questionnaire.

QA Regarding Assessment Criteria & papers:

The emphasis is on ‘learning-by-doing’ and practical demonstration of skills and knowledge based on the performance criteria. Accordingly, assessment criteria for each job role is set and made available in qualification pack.

The assessment papers for both theory and practical are developed by Subject Matter Experts (SME) hired by Healthcare Sector Skill Council or with the HSSC accredited Assessment Agency as per the performance and assessment criteria mentioned in the Qualification Pack. The assessments papers are also checked for the various outcome based parameters such as quality, time taken, precision, tools & equipment requirement etc.

The assessment sets as well as assessment criteria are then reviewed by panel of experts from Industry as well as HSSC official for consistency and suitability. The assessments are designed so as to assess maximum parts during the practical hands on work. The technical limitations at the training centres are taken care in theory and viva.

All HSSC accredited Assessment Agency follow the "HSSC process of Assessment Framework" and HSSC approved assessment papers. The assessment by assessment agency will be completely based on the assessment criteria as mentioned in the Qualification Pack developed by HSSC.

Each NOS in the Qualification Pack (QP) will be assigned a relative weightage for assessment based on the criticality of the NOS. Therein each Performance Criteria in the NOS will be assigned marks for or practical based on relative importance, criticality of function and training infrastructure.

The following tools are proposed to be used for final assessment:

1 Practical Assessment: This will comprise of a creation of mock environment in the skill lab which is equipped with all equipment’s required for the qualification pack.

Candidate's soft skills, communication, aptitude, safety consciousness, quality consciousness etc. will be ascertained by observation and will be marked in observation checklist. The end product will be measured against the specified dimensions and standards to gauge the level of his skill achievements.

2 Viva/Structured Interview: This tool will be used to assess the conceptual understanding and the behavioural aspects as regards the job role and the specific task at hand. It will also include questions on safety, quality, environment and equipment's etc.

3 Written Test: Under this test few key items which cannot be assessed practically will be assessed. The written assessment will comprise of

- i. True / False Statements
- ii Multiple Choice Questions
- iii Matching Type Questions.
- iv) Fill in the blanks

QA Regarding Assessors:

Assessors are selected as per the “eligibility criteria” laid down by HSSC for assessors for each job role. The assessors selected by Assessment Agencies are scrutinized and made to undergo training and introduction to HSSC Assessment Framework, competency based assessments, assessors guide etc. HSSC conducts “Training of Assessors” program time to time for each job role and sensitize assessors regarding assessment process and strategy which is outlined on following mandatory parameters:

- 1) Guidance regarding NSQF
- 2) Qualification Pack Structure
- 3) Guidance for the assessor to conduct theory, practical and viva assessments
- 4) Guidance for trainees to be given by assessor before the start of the assessments.

- 5) Guidance on assessments process, practical brief with steps of operations practical observation checklist and mark sheet
- 6) Viva guidance for uniformity and consistency across the batch.
- 7) MOCK assessments
- 8) Sample question paper and practical demonstration

HSSC also conduct telephonic orientation of the assessors before each assessment for the given job role to assure quality, fairness and timely conduct of assessment.

The assessment agencies are instructed to hire assessors with integrity, reliability and fairness. Each assessor shall sign a document with its assessment agency by which they commit themselves to comply with the rules of confidentiality and conflict of interest, independence from commercial and other interests that would compromise impartiality of the assessments.

QA before, during and after Assessments:

HSSC ensures pre-requisites of Assessment needed by training institute regarding ARTICLES like Mannequins, Mock Ward Infrastructure, Transferring Equipment, Job role related equipment; INFRASTRUCTURE like Class rooms, Skill Lab, Aids like board/marker/logistics, Furniture like display tables, chairs; STAFF like Co-ordinator from training institute, Peon, Some additional members(for simulated situations, if required); DOCUMENTS like Admit Card, Govt. validated ID proof, Record Books like attendance, log book, internal evaluation sheets, Student Enrollment details; for CO-ORDINATION one full time co-ordination point for co-ordination with assessment coordinator before, during and after assessment.

HSSC ensures the three Phases of Assessment to be assured by assessing body and assessor for fair, consistent and quality assessment. The three phases of assessment is enlisted below:

PREPARATORY PHASE: Documents ensured to be packed, sent and received: Seal Pack of Sets of Papers, Invigilation Sheet/Covering letter, OMR/Answer sheet; Well **Co-ordination needs to be assured between** Assessment Co-ordinator of assessing body, HSSC official, Co-ordinator from skill center and assessor.

PHASE OF CONDUCT:

1) Written Examination:

- o Assessor should reach the VTP 30 minutes before the assessment and ensure that all the arrangements are as per the HSSC rules and regulation
- o He should make seating arrangement to students leaving minimum 3 feet space between candidates.
- o He should make the students sit in the order of seating arrangements.
- o The enrolment numbers are to be written on the desks before the arrival of students.
- o The details to be filled like assessor name , date and Qualification name should be written on the board
- o Learners should keep all their belongings outside the classroom. All mobiles should be switched off and kept on the desk in front of the invigilator
- o The seal of the assessment materials is opened in front of the students.
- o OMR sheets to be distributed to all learners
- o Assessors should instruct the learners on the rules and regulation of the assessment
 - No. of questions
 - Duration of paper
 - Disciplinary rules
 - Administrative rules

2) Attendance:

- o The assessor/assessment co-ordinator needs to get signature of all candidates while theory as well as practical examination on invigilation sheet. The sheets are signed and stamped by the In-charge /Head of the Training Centre.
- o The assessor/assessment co-ordinator needs to verify the authenticity of the candidate by checking the photo ID card issued by the institute as well as any one Photo ID card issued by the Central/Government. The same needs to be mentioned in the attendance sheet. In case of suspicion, the assessor should authenticate and cross verify trainee's credentials in the

enrolment form.

- o The assessor/assessment co-ordinator needs to punch the trainee's roll number on all the test pieces.
- o The assessor/assessment co-ordinator needs to take a photograph of all the students along with the assessor standing in the middle and with the centre name/banner at the back as evidence.
- o The assessor/assessment co-ordinator needs to carry a camera to click photograph of the trainees working on the job and giving theory exam as evidence.
- o The assessor/assessment co-ordinator also needs to carry a photo ID card.
- o The assessor/assessment co-ordinator also needs to take the photographs as evidence from appropriate angles/sides of the final work piece/job submitted by the trainee. This evidence is signed by the trainee at the time of submission of the job piece.
- o The assessor/assessment co-ordinator needs to measure the dimensions and finish of the submitted job piece as per the tolerance or standards mentioned in the assessment guide.

3) Segregate learners into batches:

- o Assign combination of one critical and one elementary NOS along with the soft skill NOS
- o Allocate time to learner
- o Ask learners to be present 5 minutes earlier than the time allotted at the lab

4) Conduct Practical Assessments:

- o Assign practical task to the learners
- o Ask the learner to collect articles and be ready for assessments
- o Observe learner conducting the assigned task
- o Evaluate and Record observations and marks and in the recording sheets
- o You may ask learners question on the task being done

5) Conduct Viva:

- o Ask questions from the learners on the assigned task
- o Ask questions prescribed in the assessment guide on non-prescribed tasks to ensure that the learners have complete knowledge on the assessment

6) Collate Results:

- o Check written answer scripts
- o Sum up the practical NOS marks
- o Sum up the viva marks
- o Remember to sign off on all sheets where scores are mentioned
- o Submit the collated result to assessment body representative/project manager

7) Surprise Visits/Surveillance check is kept to ensure the quality and fair assessments.

POST-ASSESSMENT PHASE

1) Verify Result

- o Check for accuracy of names and date of birth
- o Check for accuracy of marks against each learner
- o Ensure that the pass percentage is correctly applied to the result
- o Ensure that the learner has cleared all sections of the assessments in line with the HSSC assessment strategy
- o Check if the excel sheet for each learner is accurately filled and is available for cross referencing with the covering result sheet
- o Each and every result has to get cross-verified by HSSC official

2) Upload/Sharing of Results

- o Once the results are ready it is uploaded on the SDMS website/portal and verified on the same
- o Or the results are shared to Training institute only by HSSC.
- o In case of any query or issue raised for assessment, the assessments are subjected to re-

evaluation as per protocol laid down by HSSC.

3) Documentation

- o Question papers are kept in secure cupboard with limited and controlled access.
- o Used OMR sheets are to be stored for the next ten years
- o QP should be always current version

Assessment process and guidelines are attached as Annexure 7

Please attach any documents giving further information about assessment and/or RPL.

Give details of the document(s) here:

1. **Quality Assurance Strategy of Assessment in HSSC attached as Annexure 7**
2. **Assessment Criteria attached as Annexure 8**

ASSESSMENT EVIDENCE

Complete the following grid for each grouping of NOS, assessment unit or other component as per the assessment criteria. Insert the required number of rows.

Job Role	Blood Bank Technician
Qualification Pack Code	HSS/ Q 2801
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

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 Communication)		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			
Detailed Break Up of Marks			Skills Practical & Viva		
Subject Domain			Pick any 2 NOS each of 200 marks totaling 400		
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (400)	Out Of	Marks Allocation	
				Viva	Skills Practical
1.HSS/ N 2801: Assist nurse in checking vital parameters	PC1. Take measurements of pulse, blood pressure, and body temperature and/or other vital parameters, as appropriate	200	30	10	20
	PC2. Recognise the level of vital parameters under which blood donation could be performed		30	10	20
	PC3. Identify and manage potential and actual risks to the safety of the potential donor		30	10	20
	PC4. Accurately document the collected vital parameters in a timely manner		30	10	20
	PC5. Accurately communicate the assessment regarding the suitability of the individual to donate blood		30	10	20
	PC6. Establish trust and rapport with colleagues		10	5	5
	PC7. Maintain competence within one's role and field of practice		10	5	5
	PC8. Promote and demonstrate good practice as an individual and as a team member at all times		10	5	5
	PC9. Identify and manage potential and actual risks to the quality and safety of work		10	5	5

	PC10. Evaluate and reflect on the quality of one's work and make continuing improvements		10	5	5
	Total		200	75	125
2.HSS/ N 2802: Collect blood donor's medical history and screen donors	PC1. Interview the potential blood donors and collect relevant information about their medical history	200	30	10	20
	PC2. Determine whether the individual can safely donate blood without experiencing any negative health effect		30	10	20
	PC3. Accurately document the collected medical history of the potential donor in a timely manner		30	10	20
	PC4. Accurately communicate whether the individual is suitable to donate blood		30	10	20
	PC5. Establish trust and rapport with colleagues		10	5	5
	PC6. Defer or reject donor based on the current vitals and medical history example if the donor has taken some unacceptable medicines, vaccinations, or has suffered from some diseases		30	10	20
	PC7. Maintain competence within one's role and field of practice		10	5	5
	PC8. Promote and demonstrate good practice as an individual and as a team member at all times		10	5	5
	PC9. Identify and manage potential and actual risks to the quality and safety of work		10	5	5
	PC10. Evaluate and reflect on the quality of one's work and make continuing improvements		10	5	5
	Total		200	75	125
3.HSS/ N 2803: Draw Blood from Donor	PC1. Select equipment and supplies needed to collect blood by venipuncture procedure	200	15	5	10
	PC2. Understand the importance of antiseptics and disinfectants to maintain safety		15	5	10
	PC3. Efficiently perform procedures to locate veins to puncture		20	5	15
	PC4. Identify types of additives used in blood collection		15	5	10
	PC5. Identify anatomical site to perform venepuncture		20	5	15
	PC6. Prepare the anatomical site and clean the site to perform		20	5	15

	venepuncture				
	PC7. Perform venepuncture procedure as per the guidelines		20	5	15
	PC8. Ensure timely implementation of appropriate procedures to collect blood		15	5	10
	PC9. Ensure that standard precautions for infection prevention and control, and other relevant health and safety measures are taken		15	5	10
	PC10. Recognise the boundary of one's role and responsibility		5	2	3
	PC11. Seek supervision from superior when situations are beyond one's competence and authority		15	5	10
	PC12. Establish trust and rapport with colleagues		5	2	3
	PC13. Maintain competence within one's role and field of practice		5	2	3
	PC14. Promote and demonstrate good practice as an individual and as a team member at all times		5	2	3
	PC15. Identify and manage potential and actual risks to the quality and safety of practice		5	2	3
	PC16. Evaluate and reflect on the quality of one's work and make continuing improvements		5	2	3
	Total		200	62	138
4.HSS/ N 2804 Monitor donor during the donation procedure	PC1. Monitor the donors' condition and behaviour for any sign of adverse reaction event	200	15	5	10
	PC2. Identify any sign of occurrence of an adverse event during the blood donation procedure		20	5	15
	PC3. Respond to any signs of adverse reaction of the donor and take appropriate action, which may require to halt the procedure		20	5	15
	PC4. Effectively report the sign of occurrence of an adverse event to the appropriate member of the team, in a timely manner		15	5	10
	PC5. Identify need of re-adjustment of the needle in situation of change in flow of blood		20	5	15
	PC6. Identify any problem in the blood collection procedure, like problem with the blood collection packs or harnesses, and take required action		20	5	15

	immediately				
	PC7. Record all relevant information clearly and appropriately		15	5	10
	PC8. Ensure timely implementation of appropriate procedures to collect blood		15	5	10
	PC9. Ensure that standard precautions for infection prevention and control and other relevant health and safety measures are taken		15	5	10
	PC10. Recognise the boundary of one's role and responsibility		5	2	3
	PC11. Seek supervision from superior when situations are beyond one's competence and authority		15	5	10
	PC12. Establish trust and rapport with colleagues		5	2	3
	PC13. Maintain competence within one's role and field of practice		5	2	3
	PC14. Promote and demonstrate good practice as an individual and as a team member at all times		5	2	3
	PC15. Identify and manage potential and actual risks to the quality and safety of practice		5	2	3
	PC16. Evaluate and reflect on the quality of one's work and make continuing improvements		5	2	3
	Total		200	62	138
5.HSS/ N 2805 Screen donated blood for presence of any infection	PC1. Test the blood donation for ABO (blood type), Rh groups (i.e. positive or negative) and red cell antibodies	200	40	10	30
	PC2. Screen the blood donation for any infectious disease, like HIV, Hepatitis B, Hepatitis C, syphilis, Malaria, Dengue etc.		40	10	30
	PC3. Record and report results of screening clearly and accurately, as per the guidelines		30	10	20
	PC4. Ensure timely implementation of appropriate procedures		20	10	10
	PC5. Ensure that standard precautions for infection prevention and control and other relevant health and safety measures are taken		20	10	10
	PC6. Establish trust and rapport with colleagues		10	5	5

	PC7. Maintain competence within one's role and field of practice		10	5	5
	PC8. Promote and demonstrate good practice as an individual and as a team member at all times		10	5	5
	PC9. Identify and manage potential and actual risks to the quality and safety of practice		10	5	5
	PC10. Evaluate and reflect on the quality of one's work and make continuing improvements		10	5	5
	Total		200	75	125
6.HSS/ N 2806 Document, Label and Store Blood Donations	PC1. Efficiently handle the blood donations and perform relevant documentations	200	30	10	20
	PC2. Identify any defect with the blood packs, like damaged pack, pack not sealed properly etc.		30	10	20
	PC3. Record and report the defect identified with the blood pack to the concerned authority		30	10	20
	PC4. Clearly and accurately document all the relevant information		20	5	15
	PC5. Properly label the blood donations		20	5	15
	PC6. Safely handle and store the blood donations		20	5	15
	PC7. Assist in ensuring timely implementation of appropriate procedures		20	5	15
	PC8. Establish trust and rapport with colleagues		5	2	3
	PC9. Maintain competence within one's role and field of practice		5	2	3
	PC10. Ensure that standard precautions for infection prevention and control and other relevant health and safety measures are taken		5	2	3
	PC11. Promote and demonstrate good practice as an individual and as a team member at all times		5	2	3
	PC12. Identify and manage potential and actual risks to the quality and safety of practice		5	2	3
	PC13. Evaluate and reflect on the quality of one's work and make continuing improvements		5	2	3
	Total		200	62	138
7.HSS/ N 2807: Check Compatibility of Blood	PC1. Identify the blood requirements of a patient, and the minimum information required to correctly	200	30	10	20

	identify the blood product				
	PC2. Immediately respond to the demand of a blood for transfusion		30	10	20
	PC3. Ensure timely collection of correct blood product from the storage area		30	10	20
	PC4. Check and verify the details of the blood with the patient requirements before issuing out the blood		30	10	20
	PC5. Clearly and accurately document all the relevant information		20	5	15
	PC6. Safely handle the blood products		20	5	15
	PC7. Ensure that standard precautions for infection prevention and control and other relevant health and safety measures are taken		15	5	10
	PC8. Establish trust and rapport with colleagues		5	2	3
	PC9. Maintain competence within one's role and field of practice		5	2	3
	PC10. Promote and demonstrate good practice as an individual and as a team member at all times		5	2	3
	PC11. Identify and manage potential and actual risks to the quality and safety of practice		5	2	3
	PC12. Evaluate and reflect on the quality of one's work and make continuing improvements		5	2	3
	Total		200	65	135
8. HSS/ N 9610 (Follow infection control policies and procedures)	PC1. Perform the standard precautions to prevent the spread of infection in accordance with organisation requirements	200	5	0	5
	PC2. Perform 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	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
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	20	10	10
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 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	0
	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)		400			
Soft Skills and Communication		Pick one field from both parts each carrying 50 marks totaling 100			
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (100)	Out Of	Marks Allocation	
				Viva	Observation/ Role Play
Part 1 (Pick one field 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	50	4	0	4

and authority)	PC2. Work within organisational systems and requirements as appropriate to one's role		4	0	4
	PC3. Recognise the boundary of one's role and responsibility and seek supervision when situations are beyond one's competence and authority		14	6	8
	PC4. Maintain competence within one's role and field of practice		4	0	4
	PC5. Use relevant research based protocols and guidelines as evidence to inform one's practice		6	2	4
	PC6. Promote and demonstrate good practice as an individual and as a team member at all times		6	2	4
	PC7. Identify and manage potential and actual risks to the quality and safety of practice		6	2	4
	PC8. Evaluate and reflect on the quality of one's work and make continuing improvements		6	2	4
			50	14	36
2. Ethics					
HSS/ N 9607 (Practice Code of conduct while performing duties)	PC1. Adhere to protocols and guidelines relevant to the role and field of practice	50	8	2	6
	PC2. Work within organisational systems and requirements as appropriate to the role		8	2	6
	PC3. Recognise the boundary of the role and responsibility and seek supervision when situations are beyond the competence and authority		8	2	6
	PC4. Maintain competence within the role and field of practice		2	0	2
	PC5. Use protocols and guidelines relevant to the field of practice		10	4	6
	PC6. Promote and demonstrate good practice as an individual and as a team member at all times		2	0	2
	PC7. Identify and manage potential and actual risks to the quality and patient safety		2	0	2
	PC8. Maintain personal hygiene and contribute actively to the healthcare ecosystem		10	4	6
		50	14	36	
3. Work Management					
HSS/ N 9605	PC1. Clearly establish, agree, and	50	20	10	10

(Manage work to meet requirements)	record the work requirements			
	PC2. Utilise time effectively	6	0	6
	PC3. Ensure his/her work meets the agreed requirements	6	0	6
	PC4. Treat confidential information correctly	6	6	0
	PC5. Work in line with the organisation's procedures and policies and within the limits of his/her job role	12	6	6
		50	22	28

Part 2 (Pick one field as per NOS marked carrying 50 marks)

1. Team Work

HSS/ N 9604 (Work effectively with others)	PC1. Communicate with other people clearly and effectively	50	3	0	3
	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		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 management

HSS/ N 9606 (Maintain a safe, healthy, and secure working environment)	PC1. Identify individual responsibilities in relation to maintaining workplace health safety and security requirements	50	6	2	4
	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		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
	PC8. Identify and recommend opportunities for improving health, safety, and security to the designated person	6	4	2
	PC9. Complete any health and safety records legibly and accurately	6	2	4
		50	25	25

3. Waste Management

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 waste type	50	6	2	4
	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		8	4	4
	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 different categories of waste		8	4	4
	PC5. Check the accuracy of the labelling that identifies the 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 consideration its associated risks		4	4	0
	PC9. Report and deal with spillages and contamination in accordance with current legislation and procedures		4	4	0

	PC10. Maintain full, accurate and legible records of information and store in correct location in line with current legislation, guidelines, local policies and protocols		4	4	0
			50	32	18
4. Quality Assurance					
HSS/ N 9611: Monitor and assure quality	PC1. Conduct appropriate research and analysis	50	6	2	4
	PC2. Evaluate potential solutions thoroughly		8	4	4
	PC3. Participate in education programs which include current techniques, technology and trends pertaining to the dental industry		4	0	4
	PC4. Read Dental hygiene, dental and medical publications related to quality consistently and thoroughly		8	4	4
	PC5. Report any identified breaches in health, safety, and security procedures to the designated person		4	2	2
	PC6. Identify and correct any hazards that he/she can deal with safely, competently and within the limits of his/her authority		4	4	0
	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		4	4	0
	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 each NOS Compulsorily totaling 80	
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (80)	Marks Allocation		
			Theory		

1.HSS/ N 2801: Assist nurse in checking vital parameters	PC1. Take measurements of pulse, blood pressure, and body temperature and/or other vital parameters, as appropriate	8	8
	PC2. Recognise the level of vital parameters under which blood donation could be performed		
	PC3. Identify and manage potential and actual risks to the safety of the potential donor		
	PC4. Accurately document the collected vital parameters in a timely manner		
	PC5. Accurately communicate the assessment regarding the suitability of the individual to donate blood		
	PC6. Establish trust and rapport with colleagues		
	PC7. Maintain competence within one's role and field of practice		
	PC8. Promote and demonstrate good practice as an individual and as a team member at all times		
	PC9. Identify and manage potential and actual risks to the quality and safety of work		
	PC10. Evaluate and reflect on the quality of one's work and make continuing improvements		
Total			8
2.HSS/ N 2802: Collect blood donor's medical history and screen donors	PC1. Interview the potential blood donors and collect relevant information about their medical history	10	10
	PC2. Determine whether the individual can safely donate blood without experiencing any negative health effect		
	PC3. Accurately document the collected medical history of the potential donor in a timely manner		
	PC4. Accurately communicate whether the individual is suitable to donate blood		
	PC5. Establish trust and rapport with colleagues		
	PC6. Defer or reject donor based on the current vitals and medical history example if the donor has taken some unacceptable medicines, vaccinations, or has suffered from some diseases		
	PC7. Maintain competence within one's role and field of practice		
	PC8. Promote and demonstrate good practice as an individual and as a team member at all times		
	PC9. Identify and manage potential and actual risks to the quality and safety of work		
	PC10. Evaluate and reflect on the quality of one's work and make continuing improvements		
Total			10

3.HSS/ N 2803: Draw Blood from Donor	PC1. Select equipment and supplies needed to collect blood by venipuncture procedure	10	10
	PC2. Understand the importance of antiseptics and disinfectants to maintain safety		
	PC3. Efficiently perform procedures to locate veins to puncture		
	PC4. Identify types of additives used in blood collection		
	PC5. Identify anatomical site to perform venepuncture		
	PC6. Prepare the anatomical site and clean the site to perform venepuncture		
	PC7. Perform venepuncture procedure as per the guidelines		
	PC8. Ensure timely implementation of appropriate procedures to collect blood		
	PC9. Ensure that standard precautions for infection prevention and control, and other relevant health and safety measures are taken		
	PC10. Recognise the boundary of one's role and responsibility		
	PC11. Seek supervision from superior when situations are beyond one's competence and authority		
	PC12. Establish trust and rapport with colleagues		
	PC13. Maintain competence within one's role and field of practice		
	PC14. Promote and demonstrate good practice as an individual and as a team member at all times		
	PC15. Identify and manage potential and actual risks to the quality and safety of practice		
	PC16. Evaluate and reflect on the quality of one's work and make continuing improvements		
Total			10
4.HSS/ N 2804 Monitor donor during the donation procedure	PC1. Monitor the donors' condition and behaviour for any sign of adverse reaction event	10	10
	PC2. Identify any sign of occurrence of an adverse event during the blood donation procedure		
	PC3. Respond to any signs of adverse reaction of the donor and take appropriate action, which may require to halt the procedure		
	PC4. Effectively report the sign of occurrence of an adverse event to the appropriate member of the team, in a timely manner		
	PC5. Identify need of re-adjustment of the needle in situation of change in flow of blood		
	PC6. Identify any problem in the blood collection procedure, like problem with the blood collection packs or harnesses, and take required action		

	immediately		
	PC7. Record all relevant information clearly and appropriately		
	PC8. Ensure timely implementation of appropriate procedures to collect blood		
	PC9. Ensure that standard precautions for infection prevention and control and other relevant health and safety measures are taken		
	PC10. Recognise the boundary of one's role and responsibility		
	PC11. Seek supervision from superior when situations are beyond one's competence and authority		
	PC12. Establish trust and rapport with colleagues		
	PC13. Maintain competence within one's role and field of practice		
	PC14. Promote and demonstrate good practice as an individual and as a team member at all times		
	PC15. Identify and manage potential and actual risks to the quality and safety of practice		
	PC16. Evaluate and reflect on the quality of one's work and make continuing improvements		
	Total		10
5.HSS/ N 2805 Screen donated blood for presence of any infection	PC1. Test the blood donation for ABO (blood type), Rh groups (i.e. positive or negative) and red cell antibodies		
	PC2. Screen the blood donation for any infectious disease, like HIV, Hepatitis B, Hepatitis C, syphilis, Malaria, Dengue etc.		
	PC3. Record and report results of screening clearly and accurately, as per the guidelines		
	PC4. Ensure timely implementation of appropriate procedures		
	PC5. Ensure that standard precautions for infection prevention and control and other relevant health and safety measures are taken	12	12
	PC6. Establish trust and rapport with colleagues		
	PC7. Maintain competence within one's role and field of practice		
	PC8. Promote and demonstrate good practice as an individual and as a team member at all times		
	PC9. Identify and manage potential and actual risks to the quality and safety of practice		
	PC10. Evaluate and reflect on the quality of one's work and make continuing improvements		
	Total		12

6.HSS/ N 2806 Document, Label and Store Blood Donations	PC1. Efficiently handle the blood donations and perform relevant documentations	12	12
	PC2. Identify any defect with the blood packs, like damaged pack, pack not sealed properly etc.		
	PC3. Record and report the defect identified with the blood pack to the concerned authority		
	PC4. Clearly and accurately document all the relevant information		
	PC5. Properly label the blood donations		
	PC6. Safely handle and store the blood donations		
	PC7. Assist in ensuring timely implementation of appropriate procedures		
	PC8. Establish trust and rapport with colleagues		
	PC9. Maintain competence within one's role and field of practice		
	PC10. Ensure that standard precautions for infection prevention and control and other relevant health and safety measures are taken		
	PC11. Promote and demonstrate good practice as an individual and as a team member at all times		
	PC12. Identify and manage potential and actual risks to the quality and safety of practice		
	PC13. Evaluate and reflect on the quality of one's work and make continuing improvements		
	Total		
7.HSS/ N 2807: Check Compatibility of Blood	PC1. Identify the blood requirements of a patient, and the minimum information required to correctly identify the blood product	12	12
	PC2. Immediately respond to the demand of a blood for transfusion		
	PC3. Ensure timely collection of correct blood product from the storage area		
	PC4. Check and verify the details of the blood with the patient requirements before issuing out the blood		
	PC5. Clearly and accurately document all the relevant information		
	PC6. Safely handle the blood products		
	PC7. Ensure that standard precautions for infection prevention and control and other relevant health and safety measures are taken		
	PC8. Establish trust and rapport with colleagues		
	PC9. Maintain competence within one's role and field of practice		
	PC10. Promote and demonstrate good practice as an individual and as a team member at all times		
	PC11. Identify and manage potential and actual risks to the quality and safety of practice		

	PC12. Evaluate and reflect on the quality of one's work and make continuing improvements		
	Total		12
8. HSS/ N 9610 (Follow infection control policies and procedures)	PC1. Perform the standard precautions to prevent the spread of infection in accordance with organisation requirements	6	6
	PC2. Perform 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		
	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 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 sterilization protocols		
	PC29. Dry all work surfaces before and after use		
	PC30. Replace surface covers where applicable		
	PC31. Maintain and store cleaning equipment		
	Total		6
Grand Total-1 (Subject Domain)		80	
Soft Skills and Communication		Select both parts each carrying 10 marks totaling 20	
Assessable Outcomes	Assessment Criteria for the Assessable Outcomes	Total Marks (20)	Marks Allocation
			Theory
Part 1			
1. Attitude			
HSS/ N 9603 (Act within the limits of one's competence and authority)	PC1. Adhere to legislation, protocols and guidelines relevant to one's role and field of practice	4	4
	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		
			4
2. Ethics			
HSS/ N 9607 (Practice Code of conduct while performing duties)	PC1. Adhere to protocols and guidelines relevant to the role and field of practice		
	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	4	4
	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		
			4
3. Work Management			
HSS/ N 9605 (Manage work to meet requirements)	PC1. Clearly establish, agree, and record the work 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		
			2
Part 1 Total		10	10
Part 2			
1. Team Work			
HSS/ N 9604 (Work effectively with	PC1. Communicate with other people clearly and effectively	2	2

others)	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		
2. Safety management			
HSS/ N 9606 (Maintain a safe, healthy, and secure working environment)	PC1. Identify individual responsibilities in relation to maintaining workplace health safety and security requirements	2	2
	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		
	2		
3. Waste Management			
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 waste type	4	4
	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		
			4
4. Quality Assurance			
HSS/ N 9611: Monitor and assure quality	PC1. Conduct appropriate research and analysis	2	2
	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		
			2
Part 2 Total		10	10
Grand Total-2 (Soft Skills and Communication)			20

SECTION 2

EVIDENCE OF NEED

What evidence is there that the qualification is needed?

While collecting data from the companies for the occupational map & functional analysis, we also took feedback from industry, which was collected with respect to roles for which qualification packs development, was to be prioritized. This was largely based on volume of people required, quantitative and qualitative shortfall which the Industry feels they face. Governing council of HSSC gave final approval and endorsement for the same.

What is the estimated uptake of this qualification and what is the basis of this estimate?

The workforce in allied healthcare sector need expected to around 74 lac by 2022 double the workforce employed in 2013 as envisaged in Skills Gap analysis Reports for industry demand and secondary research data, though these do not lend to accurate demand projection. The link to NSDC Human Resource & Skills Requirement in Healthcare Sector is <http://healthcare-ssc.in/images/Human%20Resource%20&%20Skills%20Requirement%20in%20Healthcare%20sector.pdf>

- Feedback from industry for demand though again sample size may not lend to accurate figures
- Training duration, and current and potential training capacity envisaged
- An LMIS development initiative is being put in place to be more precise regarding the demand and supply

What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?

- NSDC list of Approved and Under-Development QPs was checked prior to commissioning the work
- NSDC QRC team also confirmed the same

What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?

- Agencies/personnel would be appointed by the HSSC to interact with training providers, employers, assessors to gather feedback in implementation.
- Monitoring of results of assessments, training delivery
- Employer feedback will be sought post-placement
- A formal review is scheduled in two year time

Please attach any documents giving further information about any of the topics above.

Give details of the document(s) here:

1. **Occupational Mapping Report-Annexure 2**
2. **Functional Analysis Report-Annexure 3**
3. **RFP for development of occupational standards-Annexure 4**
4. **Validation group and industry consultations- Annexure 5**
5. **The Brief Report on the whole process of the development, validation and notification of these qualification packs along with list of companies and Industry associations involved -Annexure 6**
6. **Human Resource & Skills Requirement in Healthcare Sector accessible on below given link:**

SECTION 3

SUMMARY OF DIRECT EVIDENCE OF LEVEL

Justify the NSQF level allocated to the QP. Relate information about the job role and build upon the five descriptors for the level to justify.

Generic NOS is/are linked to the overall authority attached to the job role.

Qualification Title and Classification Code Blood Bank Technician (HSS/ Q 2801)					
Process required	Professional knowledge	Professional skill	Core skill	Responsibility	Level
<p>Blood Bank Technicians work in a lab to collect, label and store blood. The blood bank technicians test samples to screen potential donors, store blood, draws and maintain documentation and records. They make patients comfortable during the procedure and monitor their vital signs. They also check compatibility blood before issuing it out for transfusion. This is an activity of a routine nature in a situation of clear choice as demanded by the workplace.</p>	<p>The Blood Bank Technicians should be aware of correct procedure of collecting, labelling and storing blood. This indicates that a Blood Bank technician must have factual knowledge of field or study in order to perform activities correctly.</p>	<p>Blood Bank Technicians is expected to Assist nurse in checking vital parameters, Collect Blood Donor’s Medical History and screen donors, Draw blood from donor, Monitor donor during the donation procedure, Screen donated blood for presence of any infection, Document, label and store blood donations, Check compatibility of blood.</p> <p>All these are activities that require him/her to demonstrate his practical skill, as per the scope of the job role, using appropriate tool, quality concepts, responsible for carrying out range of activities, requiring either laid down approach or may adopt alternative approaches as per the best evidenced practices.</p>	<p>Blood Bank Technicians requires to work in collaboration with other members of the healthcare team and deliver the healthcare services as directed. The individual should be result oriented. The individual should also be able to demonstrate clinical skills, communication skills and ethical behaviour. Individuals must always perform their duties in a calm, reassuring and efficient manner. This requires communication skills (written or oral) with required clarity and indicates that he/she should have the basic understanding of social,</p>	<p>Blood Bank Technicians work in a lab to collect, label and store blood. The blood bank technicians test samples to screen potential donors, store blood, draws and maintain documentation and records. They also check compatibility blood before issuing it out for transfusion. This is critical as it indicates that the person is responsible for his own work and learning. This is further reconfirmed by the fact that The Blood Bank Technician is expected to learn and improve his/her practice while on the job and is referred as “skilled workers”.</p>	4

			political and natural environment.		
Level: 4	Level: 4	Level: 4	Level: 4	Level: 4	4

OTHER EVIDENCE OF LEVEL [This need only be filled in where evidence other than primary outcomes was used to allocate a level] (**Optional**)

- Validated by Industry through various training provider & stake holders

Summary of other evidence (if used): NA

SECTION 4

EVIDENCE OF RECOGNITION OR PROGRESSION

What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

Horizontal and vertical mobility options have been articulated.

Please attach any documents giving further information about any of the topics above.

Give details of the document(s) here:

- Occupational Mapping Report-Annexure 2**
- Functional Analysis Report-Annexure 3**
- Validation group and industry consultations- Annexure 5**
- The Brief Report on the whole process of the development, validation and notification of these qualification packs along with list of companies and Industry associations involved -Annexure 6**