Assessment Guide

LIFTING & RIGGING SUPERVISOR (SAFETY)

NSQF Level – 4.5

Sector: Cross Sectoral

Occupation: Lifting & Rigging Engineering & Management

Qualification Pack Code: SSD/VSQ/Q0303

Version: 1.0

Table of Contents

Qualification Structure

To achieve full certification as Lifting and Rigging Supervisor (Safety), trainees must complete all 9 units (NOS) and pass assessments. The assessments will comprise of theory & practical tests.

Sl. no	Unit No. (NOS)	Title	Assessment method
001	SSD/VSQ/N0319	Introduction to Lifting & Rigging and Safety Protocols	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding related to basic lifting and rigging activities. It will cover fundamental occupational health and safety practices applicable to routine lifting operations, identification of common hazards, and awareness of risks associated with general lifting procedures. The assessment will be based on theory, viva-voce, and practical evaluation.
002	SSD/VSQ/N0320	Safety, Legal and Regulatory Compliance for Lifting & Rigging Operations	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding related to safety, legal, and regulatory compliance in lifting and rigging operations. It will cover applicable occupational health and safety standards, relevant legal and statutory requirements, and compliance with industry regulations governing lifting activities. It will also include identification of hazards, understanding of risk control measures, and adherence to safe work practices and regulatory guidelines. The assessment will be based on theory, viva-voce, and practical evaluation.

003	SSD/VSQ/N0321	Load Planning, Stability Control & Process requirements	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding related to load planning, stability control, and process requirements in lifting and rigging operations. It will cover principles of load estimation, center of gravity, load distribution, and stability considerations during lifting activities. It will also include planning of lifting procedures, selection of appropriate equipment, and adherence to standard operating processes to ensure safe and efficient execution. The assessment will be based on theory, viva-voce, and practical evaluation.
004	SSD/VSQ/N0322	Hazard Identification, Risk Assessment, Safety of Plant & Machinery in Lifting & Rigging Operations	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding related to hazard identification, risk assessment, and the safety of plant and machinery in lifting and rigging operations. It will cover identification of potential hazards, evaluation of associated risks, and implementation of appropriate control measures. It will also include inspection and safe use of lifting equipment and machinery, ensuring compliance with safety standards and operational guidelines. The assessment will be based on theory, viva-voce, and practical evaluation.
005	SSD/VSQ/N0323	Lifting and Rigging Operations with Safety	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding related to lifting and rigging operations with

			safety. It will cover execution of lifting and rigging activities using appropriate techniques, selection and use of lifting equipment and accessories, and adherence to safe work practices. It will also include identification of hazards, application of risk control measures, and ensuring safety during lifting operations. The assessment will be based on theory, viva-voce, and practical evaluation.
006	SSD/VSQ/N0324	Inspection, Maintenance, and Certification of Lifting Equipment's.	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding related to inspection, maintenance, and certification of lifting equipment. It will cover procedures for inspection of lifting tools and accessories, preventive maintenance practices, identification of defects, and criteria for safe usage. It will also include understanding of certification requirements, documentation, and compliance with applicable standards and regulations. The assessment will be based on theory, viva-voce, and practical evaluation.
007	SSD/VSQ/N0325	Plan, Organize, Communication & Emergency Protocols in Lifting & Rigging.	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding related to planning, organizing, communication, and emergency protocols in lifting and rigging operations. It will cover effective planning and coordination of lifting activities, role clarity, communication methods and signaling systems, and adherence to standard procedures. It will also include

			preparedness for emergency situations, response protocols, and implementation of safety measures to manage unforeseen incidents. The assessment will be based on theory, viva-voce, and practical evaluation.
008	SSD/VSQ/N0326	Health, Hygiene, Environmental, and Psychological Health Protocols (Lifting & Rigging)	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding related to health, hygiene, environmental, and psychological health protocols in lifting and rigging operations. It will cover workplace hygiene practices, environmental protection measures, and awareness of physical and psychological well-being during lifting activities. It will also include identification of health hazards, implementation of control measures, and adherence to safety and wellness protocols at the worksite. The assessment will be based on theory, viva-voce, and practical evaluation.
009	DGT/VSQ/N 0102	Employability Skills	The assessment will be conducted to evaluate the competencies required by the trainee in terms of skills, knowledge, and understanding relevant to the job role under DGT/VSQ/N0102. The assessment will be based on theory, viva-voce, and practical evaluation.

Guidance for assessors

This qualification provides the performance criteria, skills and knowledge required to perform for the job role of Lifting and Rigging Supervisor (Safety) at NSQF Level 4.5. The role is referred to as 'Lifting and Rigging Supervisor (Safety).

Brief job description: The Lifting Supervisor (Safety) is responsible for executing the lifting work in a safe manner on the site. The lifting Supervisor (Safety) co-ordinates and supervises all lifting activities in accordance with the Lifting Plan as well as briefing all lifting team members (i.e., crane operators, riggers, and signal operators) on the Lifting operation. The Rigging Supervisor (Safety) oversees the rigging team, with responsibility for the mechanics of all support rigging, for example scaffolding, ropes, pulleys and lifting equipment.

Personal attributes: The professional should be mentally and professionally fit to take responsibility for compliances of health and safety standards, rules and meet the health and safety standards at workplace with his/her integrity, objectivity, independency, knowledge of law, expression, and code of ethics.

Introduction to assessments:

The assessment will be made based on the competencies required by the trainees to perform the job role of Lifting and Rigging Supervisor (Safety). The assessment will be based on understanding, practical demonstration and on the job, training as defined in the performance criteria & practical skill defined in the qualification pack of the job role. The trainees will be required to complete a number of assignments to show their skills & understanding of the subject through theory, demonstration and practical performances.

Grading and pass percentage

1. The assessment consists of two categories:
    a. Practical Assessment – to assess the practical performance skills.
    b. Theory Assessment – to assess knowledge & understanding of the domain.
2. The weightage of the assessment will be:
    a. Practical Assessment – 50%
    b. Theory Assessment – 50%
3. Each NOS for its Performance Criteria (PC) has been assigned marks proportional to its importance. Proportion of marks for Theory and Practical has been marked NOS wise.

4. Questions on practical & theory will be formed in such a way as to provide outcome on maximum Performance Criteria and in proportional way within the NOS.
5. The assessment for the theory part will be based on written questions (short question, multiple choice & viva, or a combination of them) created/approved by the SSDF.
6. The assessment for the practical part will be based on practical conducted for trainees. In case of remote/on-line assessments, the practical's can be carried through proctors or practical questions formulated based on pictorially represented logical questions (based on pictures of practical & logical steps) created/approved by the SSDF.
7. The passing and grading criteria of each NOS & cumulative for QP will be as follows: -
    a. 70% or more than 70% - Grade "A"
    b. 60% or more than 60% but less than 70% - Grade "B"
    c. 50% or more than 50% but less than 60% - Grade "C"
    d. Less than 50% - Grade "Fail."
    e. Any candidate can ask for re-assessment in any of the NOSs or all the NOSs to improve his/her performance within three months from the date of publication of the results and after payment of the assessment fee. But if any candidate wants re-assessment after three months from the date of publication of results, he/she will have to appear in all the NOSs applicable for the qualification.

2.1 Performance/Skill Assessments

The performance/skill assessment will be conducted through demonstration/practical.

SSD/VSQ/N0319: Introduction to Lifting & Rigging and Safety Protocols - Performance/Skill Assessment

The trainee should demonstrate a clear understanding of basic lifting and rigging principles, including the purpose and scope of lifting operations and the importance of safety protocols. They should be familiar with different types of lifting equipment and accessories, their uses, and safe handling practices.

They should understand fundamental occupational health and safety requirements, including the use of personal protective equipment (PPE), safe work procedures, and site safety guidelines. The trainee

should be able to identify common hazards associated with lifting activities and demonstrate awareness of basic risk control measures.

SSD/VSQ/N0320: Safety Standards and Regulations in Rigging - Performance/Skill Assessment

The trainee should demonstrate a clear understanding of safety, legal, and regulatory compliance requirements in lifting and rigging operations. They should be familiar with applicable occupational health and safety standards, statutory provisions, and industry regulations governing lifting activities.

They should understand the importance of compliance with legal requirements, safe work procedures, and organizational safety policies. The trainee should be able to identify potential hazards, understand associated risks, and apply appropriate control measures in accordance with regulatory guidelines.

SSD/VSQ/N0321: Load Planning, Stability Control & Process requirements – Performance/Skill Assessment

The trainee should demonstrate a clear understanding of load planning, stability control, and process requirements in lifting and rigging operations. They should be familiar with principles of load estimation, center of gravity, load distribution, and factors affecting stability during lifting activities.

They should understand the importance of proper planning and execution of lifting operations, including selection of appropriate lifting equipment and accessories based on load characteristics. The trainee should be able to interpret lifting plans, follow standard operating procedures, and ensure adherence to process requirements.

SSD/VSQ/N0322: Hazard Identification, Risk Assessment, Safety of Plant & Machinery in Lifting & Rigging Operations–Performance/Skill Assessment

The trainee should demonstrate a clear understanding of hazard identification, risk assessment, and the safety of plant and machinery in lifting and rigging operations. They should be familiar with identifying potential hazards associated with lifting activities, equipment, and work environments, and understanding the risks involved.

They should understand the importance of conducting risk assessments and implementing appropriate control measures to minimize or eliminate risks. The trainee should be able to inspect lifting equipment and machinery, identify defects or unsafe conditions, and ensure their safe use in accordance with safety standards and guidelines.

SSD/VSQ/N0323: Lifting and Rigging Operations with Safety –Performance/Skill Assessment

The trainee should demonstrate a clear understanding of lifting and rigging operations with safety, including the proper execution of lifting activities using appropriate techniques and equipment. They should be familiar with various rigging methods, types of lifting equipment and accessories, and their safe usage during operations.

They should understand load characteristics, weight estimation, and the importance of maintaining balance and stability during lifting. The trainee should be able to follow standard operating procedures, use appropriate personal protective equipment, and ensure safe handling of loads.

SSD/VSQ/N0324: Inspection, Maintenance, and Certification of Lifting Equipment's. –Performance/Skill Assessment

The trainee should demonstrate a clear understanding of inspection, maintenance, and certification of lifting equipment. They should be familiar with procedures for inspection of lifting tools and accessories, identification of defects, and criteria for safe usage.

They should understand the importance of preventive maintenance practices to ensure reliability and safety of equipment during operations. The trainee should be able to follow inspection checklists, recognize signs of wear and damage, and take appropriate actions in case of unsafe conditions.

SSD/VSQ/N0325: Plan, Organize, Communication & Emergency Protocols in Lifting & Rigging–Performance/Skill Assessment

The trainee should demonstrate a clear understanding of planning, organizing, communication, and emergency protocols in lifting and rigging operations. They should be familiar with the planning and coordination of lifting activities, including allocation of roles and responsibilities and sequencing of tasks.

They should understand effective communication methods, including standard signaling systems and coordination among team members such as riggers, signalers, and operators. The trainee should be able to follow established procedures and ensure clarity in communication during lifting operations.

SSD/VSQ/N0326: Health, Hygiene, Environmental, and Psychological Health Protocols (Lifting & Rigging). –Performance/Skill Assessment

The trainee should demonstrate a clear understanding of health, hygiene, environmental, and psychological health protocols in lifting and rigging operations. They should be familiar with workplace hygiene practices, environmental protection measures, and the importance of maintaining physical and mental well-being during work activities.

They should understand potential health hazards associated with lifting and rigging operations, including exposure to noise, dust, and physical strain, and apply appropriate control measures. The trainee should be able

to follow safe work practices, use personal protective equipment, and ensure a clean and safe working environment.

DGT/VSQ/N0102: Employability Skills

The trainee should demonstrate key employability skills such as communication, teamwork, digital literacy, and professionalism. They must be able to use internet, e-mails, financial transactions methods and Apps. They should be able to communicate and apply for the jobs online.

The Performance/Skill Assessments

The assessment will be conducted in a simulated working environment. Due to this fact, the assessors must note that the naturally occurring evidence of competence is unavailable or infrequent. Simulation must be undertaken in a Realistic Working Environment which provides an environment that replicates the key characteristics of the workplace in which the skill to be assessed is normally employed.

Scheduling the practical observations is flexible but to retain integrity of the assessment, they should be conducted as closely as possible to the written assessments.

Trainees are not permitted to use the observation checklist to work when completing the practical tasks but may familiarize themselves with it prior to an assessment.
It will be beneficial to take trainees through what is required in the practical assessments and the way in which each part will be graded. Trainees should have an opportunity to familiarize themselves with the way the tasks are graded.

Trainees may refer to their faculty for guidance on parts of the practical assignments only, though they should be aware that, especially for the practical assessments, the amount of guidance and support they are given may be reflected in the feedback and performance.

Knowledge Assessment

Synoptic test is an MCQ (Multiple Choice Question) test to assess the underpinning knowledge. The synoptic MCQ tests are externally set and externally marked.

This test is to be taken by the trainee after completion of all the units under controlled and invigilated conditions as closed-book test under the supervision of an assessor. Trainees can only achieve whole marks; half marks for partially answered questions are not permitted. Selection of two or more options will be marked as wrong.

The answers should be marked by pen only. The test may be conducted by the assessor in the oral mode, if required, considering the lack of reading and comprehending acumen (skills) of trainees. In such cases, the assessor will mention it on top of the MCQ submitted.

Grading criteria for The Performance/Skill Assessment

NOS No.	Title	Performance & Knowledge Assessment	Assessment Marks	Min. Passing marks	Assessment Result (Total
SSD/VSQ/N0319	Introduction to Lifting & Rigging and Safety Protocols	40	100	50% of individual NOS and 50% overall as per NOS weightage	50% of total NOS weightage ≥ Pass 50% of total NOS weightage < Fail
SSD/VSQ/N0320	Safety, Legal and Regulatory Compliance for Lifting & Rigging Operations	65	100		
SSD/VSQ/N0321	Load Planning, Stability Control & Process requirements	60	100		
SSD/VSQ/N0322	Hazard Identification, Risk Assessment, Safety of Plant & Machinery in Lifting & Rigging Operations	35	100		
SSD/VSQ/N0323	Lifting and Rigging Operations with Safety	30	100		
SSD/VSQ/N0324	Inspection, Maintenance, and Certification of Lifting Equipment's.	15	100		
SSD/VSQ/N0325	Plan, Organize, Communication & Emergency Protocols in Lifting & Rigging.	40	100		
SSD/VSQ/N0326	Health, Hygiene, Environmental, and Psychological Health Protocols (Lifting & Rigging)	25	100		

DGT/VSQ/N0102	Employability Skills	50	50		
Total		**360 Min**	**850 Marks**		

2.2 Viva Assessment

Trainees may be required to take the viva test for their theory or their practical observation test which is an extended part of the practical observation and assessment. The viva assessments are externally set and externally marked.

2.3 Question papers for synoptic test

The question paper of the synoptic test is a confidential document. It will be held under the custody of SSDF/Assessment Agencies. The assessment agencies can be permitted to prepare the question papers and get them approved from SSDF. The centers need to follow the indenting process to obtain the question paper to administer the test.

2.4 Authenticity

Centers are reminded to check for authenticity of work where trainees may be using texts and the internet to complete tasks.

2.5 Feedback

Assessors must provide feedback on every occasion when a skills observation takes place. A proforma for feedback is included in this assessment guide.

2.6 Trainee records of coursework

Trainees should be encouraged to keep their work carefully in a portfolio or scrapbook. This may be an unfamiliar form of record keeping for some, but it is a good discipline which will benefit them when they progress in their learning and training.

2.7 Assessment sheets

The assessment records will be maintained as per the assessment sheet given in this document.

2.8 Codes of practice

Safe working practices, health and safety and codes of practice associated with the industry must always be adhered to.

2.9 Health and safety

The requirement to follow safe working practices is an integral part of all assessments and it is the responsibility of centers to ensure that all relevant health and safety requirements are in place before trainees start practical assessments.

Should a trainee fail to follow health and safety practice and procedures during an assessment, the assessment must be stopped and the trainee be advised of the reasons. In case of doubts, guidance should be sought from the SSDF.

2.10 Verification of assignments

By using marking checklists, verifiers can check that evidence for an assignment is complete and can ensure that allocation of marks has been fair and beyond dispute.

2.11 Internal quality assurance

Approved centers must have effective quality assurance systems to ensure optimum delivery and assessment of qualifications.

Quality assurance includes initial center approval, qualification approval and the Centre's own internal procedures for monitoring quality. Centers are responsible for internal quality assurance and SSDF and Assessment Agency are jointly responsible for external quality assurance.

Full details and guidance on the internal and external quality assurance requirements and procedures are provided by SSDF from time to time.

The Assessment Agencies are required to retain copies of trainees' assessment records and photographic evidence (in presence of trainee performing task) for three years after assessment. They can be asked by SSDF to provide these evidences as proof of assessment.

2.12 Evidence Collection by the Assessor

- The assessor needs to collect a copy of the attendance for the training done. The attendance sheet needs to be signed by the Training Centre Head.
- The Centre head also needs to declare that all the students appearing in the assessments have a minimum attendance of 70% for the training.
- The assessor 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/ State Government.

- The same needs to be mentioned in the attendance sheet. Wherever required, the assessor can authenticate and cross verify trainee's credentials in the enrollment form.
- The assessor needs to punch the trainee's roll number on all the final job pieces of learners. Different sections can have alpha numbering such as if a student's roll number is 123 then the three pieces submitted by that student can be numbered as 123a, 123b and 123c.
- The assessor needs to take a group photograph of all the students along with the assessor standing in the middle and with the Centre name/banner at the back, as evidence.
- The assessor needs to carry a camera to click photographs of the trainees working on the job and give theory exam as evidence with geo tagged, timestamp.
- The assessor also needs to carry a photo ID card.
- In the Assessment Evidence Form (provided after the practical marks sheet), the assessor should place the final photographic evidence in the space provided as evidence, from appropriate angles/sides of the final job piece submitted.

Trainee Guidance

Information for trainees

The assessment requires a trainee to perform a combination of tasks as given below:

The trainee will be required to demonstrate the occupational skills, knowledge, understanding and competencies mentioned in the Qualification Pack.

Before the final assessments

The training partner (TP) will ensure that the trainees are ready for the assessment. The date and time of assessment would be intimated by the SSDF.

The trainee is required to reach the assessment venue at the scheduled date and time. TP is required to circulate/download the information regarding the assessment to the trainee. Failure to reach the assessment venue for the theory or the practical test as per the schedule would be considered absent. In exceptional cases, an assessor can give a maximum of half an hour of concession time for late coming.

The trainee is required to carry their Institutes photo ID card as well as a government issued photo ID card for verification on all days of assessments.

Any misbehavior/unethical practice by a trainee would lead to disqualification of the trainee.

The first assessment will have the theory test followed by practical and may be viva in smaller batches. (20- 30 trainees)

Assessments

Assessments for the job role of Lifting and Rigging Supervisor (Safety) are conducted to gauge and assess the trainees' competencies and professional expertise as well as their skill and knowledge in the specified job role for Lifting and Rigging Supervisor (Safety).

During the practical task, trainees will be assessed on their workmanship, quality of finished products, time management, etc., based on the performance criteria (PC), knowledge and understanding and their professional and soft skills as specified in the qualification pack. They will be graded for all their assessments based on the approved assessment strategy of the Qualification Pack. The performance criteria checklist as a guide for all qualifications is given in Practical Observation Checklist. Assessment tools and sample set of practical, theory & viva questions for each NOS, assessment evidence, overall summary, and NOS wise summary are also listed.

Lifting and Rigging Supervisor (Safety)

1. Learner Name: _____2. Enrolment No: _____3. Centre:_____

Guidance to assessors:

1. The assessor must exhibit the observation checklist to the learners before the commencement of the practical and explain to them how the learners will be observed and graded during the practical assessment. However, the learners are not allowed to use the practical observation checklist during the assessment or task.
2. The assessor must ensure that all the tools listed in the "List of Tools" are made available by the center to every learner being assessed.

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
SSD/VSQ/N0319: Introduction to Lifting & Rigging and Safety Protocols	PC1: Recognize potential hazards related to lifting and rigging operations at worksites.	5	5	-	-
	PC2: Assess safety risks related to lifting and rigging operations and report to management	5	5	-	-
	PC3: Identify environmental factors that may increase risks (e.g., high winds or uneven surfaces).	4	4	-	-
	PC4: Demonstrate knowledge of relevant lifting plans and safety procedures.	4	4	-	-
	PC5: Ensure briefing on safety protocols before starting operations.	4	4	-	-
	PC6: Monitor team compliance with safety regulations throughout the operation	4	4	-	-
	PC-7 Select and use appropriate PPE as required for specific lifting operations	4	4	-	-

	PC8: Ensure all team members are wearing PPE correctly before the operation begins.	4	4	-	-
	PC9: Maintain PPE equipment in good working condition and replace as necessary.	4	4	-	-
	PC10: Identify and follow applicable national and international safety laws (e.g., ISO 45001, OSHA).	4	4	-	-
	PC11: Comply with organizational health and safety policies	4	4	-	-
	PC12: Document and report non-compliance incidents to supervisors for corrective action.	4	4	-	-
	NOS Total Marks	**50**	**50**	**-**	**-**
SSD/N0320 v 1.0: Safety, Legal and Regulatory Compliance for Lifting & Rigging Operations	PC1: Identify applicable relevant national and international regulations for lifting operations (e.g., OSHA, LOLER, ISO 45001).	4	4	-	-
	PC2: Ensure lifting operations align with applicable legal standards.	4	4	-	-
	PC3: Monitor team compliance with statutory requirements throughout the operation	4	4	-	-
	PC4: Ensure that operational procedures comply with company policies	4	4	-	-
	PC5: Conduct regular audits to identify non-compliance issues.	4	4	-	-
	PC6: Update policies and procedures to align with regulatory changes.	4	4	-	-
	PC7: Document any incidents or	4	4	-	-

	violations of legal standards.				
	PC8: Report non-compliance to relevant authorities and management.	4	4	-	-
	PC9: Implement corrective actions to prevent future violations	4	4	-	-
	PC10: Maintain records of inspections, certifications, and incident reports for audits.	4	4	-	-
	PC11: Coordinate with auditors and inspectors during regulatory audits.	5	5	-	-
	PC12: Address audit findings and implement corrective measures promptly.	5	5	-	-
	NOS Total Marks	**50**	**50**	**-**	**-**
SSD/N0321 v 1.0: Load Planning, Stability Control & Process requirements	PC1: Assess the weight, size, and shape of the load to plan the operation effectively	2	2	-	-
	PC2: Determine the center of gravity to ensure proper load distribution	2	2	-	-
	PC 3 Select appropriate equipment based on load characteristics (e.g., slings, cranes, hooks).	3	3	-	-
	PC4: Calculate the weight of the load to ensure it is within the equipment's capacity	3	3	-	-
	PC5: Determine the correct sling angles to ensure safe lifting	2	2	-	-
	PC6: Use load charts and formulas to perform accurate calculations.	3	3	-	-
	PC7: Monitor the stability of the load during lifting to avoid accidents.	3	3	-	-
	PC8: Adjust the equipment setup if instability is observed during operations.	3	3	-	-
	PC9: Ensure that the load does not exceed the equipment's rated capacity.	3	3	-	-

	PC10: Monitor load indicators to prevent overload conditions.	3	3	-	-
	PC11: Select appropriate lifting tools and equipment based on load type and weight.	3	3	-	-
	PC12: Ensure equipment such as cranes, slings, ropes, and pulleys meet safety and operational standards.	3	3	-	-
	PC13: Verify that all equipment is certified, maintained, and ready for use	2	2		
	PC-14 Assess load characteristics (e.g., weight, size, center of gravity) to determine lifting requirements.	2	2		
	PC15: Calculate load limits and capacity of equipment to ensure safe operation.	3	3		
	PC16: Develop lifting plans based on the operational requirements and timelines.	2	2		
	PC17: Assess environmental factors like wind, surface conditions, and site layout, identify site-specific hazards (e.g., power lines, unstable ground) and address them, adjust the lifting plan to accommodate environmental changes during operations	2	2		
	PC18: Ensure compliance with national and international standards (e.g., LOLER, OSHA, ISO 45001).	2	2		
	PC19: Follow organizational policies and guidelines for safe lifting operations.	2	2		
	PC20: Document lifting plans and report deviations from standards to supervisors.	2	2		
	NOS Total Marks	**50**	**50**	**-**	**-**
SSD/N0322 v 1.0: Hazard Identification, Risk Assessment, Safety	PC1: Identify physical, environmental, and operational hazards during lifting operations	3	3	-	-
	PC2: Assess equipment-related hazards, such as wear and tear or faulty machinery	3	3	-	-

of Plant & Machinery in Lifting & Rigging Operations	PC3: Perform risk assessments to evaluate the likelihood and impact of potential hazards.	3	3	-	-
	PC4: Implement preventive measures to mitigate identified risks.	2	2	-	-
	PC5: Document incidents, near-misses, and safety violations promptly.	2	2	-	-
	PC6: Report incidents to management and relevant authorities as per company policies.	2	2	-	-
	PC7: Conduct root-cause analysis to determine the underlying reasons for incidents.	3	3	-	-
	PC8: Maintain detailed records of hazards, risk assessments, and incident reports.	2	2	-	-
	PC9: Check machinery and vehicle condition before use to ensure they meet safety requirements.	3	3	-	-
	PC10: Verify that operational components (e.g., brakes, steering, safety devices) are functional.	3	3	-	-
	PC11: Document any maintenance or repairs needed and inform relevant personnel	2	2		
	PC12: Follow standard operating procedures while using machinery and vehicles.	3	3		
	PC13: Ensure equipment is operated within the specified limits to avoid overloading or malfunctions	2	2		
	PC14: Monitor site conditions and adjust operations to ensure safety and efficiency	2	2		
	PC15: Identify potential hazards related to	2	2		

	machinery and vehicle operations (e.g., blind spots, unstable loads).				
	PC16: Implement immediate corrective actions to mitigate identified hazards.	3	3		
	PC17: Report hazards or near-miss incidents to supervisors for further action.	2	2		
	PC18: Follow national and international safety standards (e.g., OSHA, ISO) during operations.	3	3		
	PC19: Ensure compliance with traffic management protocols and safety signage on-site.	3	3		
	PC20: Coordinate with site personnel to prevent accidents and maintain smooth operations.	2	2		
	NOS Total Marks	**50**	**50**	**-**	**-**
SSD/N0323 v 1.0: Lifting and Rigging Operations with Safety	PC1: Verify that the lifting plan and operational procedures are understood and followed.	5	5	-	-
	PC2: Ensure all lifting equipment (e.g., slings, cranes, pulleys) is ready and operational.	5	5	-	-
	PC3: Confirm that the load is properly secured and balanced before the operation begins.	4	4	-	-
	PC4: Operate cranes, hoists, or other lifting devices within their specified limits.	4	4	-	-
	PC5: Monitor the load during the operation to ensure stability and prevent hazards.	4	4	-	-

	PC6: Use appropriate hand signals and communication tools to coordinate the team.	4	4	-	-
	PC7: Identify any hazards during the operation, such as load imbalance or environmental risks.	4	4	-	-
	PC8: Implement immediate corrective actions to mitigate identified hazards.	4	4	-	-
	PC9: Report any incidents or near-misses to supervisors for further action	4	4	-	-
	PC10: Monitor team compliance with safety standards and protocols	4	4	-	-
	PC11: Ensure the correct use of PPE throughout the operation.	4	4	-	-
	PC12: Conduct post-operation inspections and report any equipment issues.	4	4	-	-
	NOS Total Marks	**50**	**50**	**-**	**-**
SSD/N0324 v 1.0: Inspection, Maintenance, and Certification of Lifting Equipment's.	PC1: Conduct pre-use inspections of equipment, including slings, chains, hooks, and cranes.	5	5	-	-
	PC2: Identify defects, wear and tear, or other signs of equipment malfunction.	5	5	-	-
	PC3: Document inspection findings and inform relevant personnel of any issues.	3	3	-	-
	PC4: Carry out scheduled maintenance according to manufacturer's guidelines.	5	5	-	-
	PC5: Perform minor repairs and adjustments to ensure equipment safety	5	5	-	-
	PC6: Coordinate with specialized technicians for major repairs.	3	3	-	-

	PC7: Verify that all equipment is certified and complies with national and international standards (e.g., LOLER, OSHA).	4	4	-	-
	PC8: Maintain records of equipment certifications and inspection reports	4	4	-	-
	PC9: Report non-compliance issues to management for corrective action.	4	4	-	-
	PC10: Maintain detailed records of all inspections, repairs, and maintenance activities.	4	4		
	PC11: Ensure records are up-to-date and easily accessible for audits and certifications.	4	4		
	PC12: Prepare reports on equipment status and recommend actions to management.	4	4		
	NOS Total Marks	**50**	**50**	**-**	
SSD/N0325 v 1.0: Plan, Organize, Communication & Emergency Protocols in Lifting & Rigging.	PC1: Identify potential emergencies related to lifting and rigging operations (e.g., equipment failure, load instability)	4	4		
	PC2: Develop site-specific emergency response plans for various scenarios.	3	3		
	PC3: Ensure that all team members are familiar with the emergency protocols.	3	3		
	PC4: Perform regular risk assessments to identify vulnerabilities in lifting operations	4	4		
	PC5: Organize safety drills to simulate emergency scenarios and assess preparedness	3	3		
	PC6: Evaluate the outcomes of drills and update emergency plans accordingly	3	3		
	PC 7 Establish clear communication with	4	4		

	emergency services (e.g., fire brigade, medical personnel).				
	PC8: Coordinate with site personnel to manage evacuations or other emergency responses.	3	3		
	PC9: Ensure that emergency equipment (e.g., fire extinguishers, first aid kits) is accessible and functional.	3	3		
	PC10: Maintain records of emergency drills and response evaluations.	4	4		
	PC11: Document any incidents or accidents and report them to the relevant authorities	3	3		
	PC12: Conduct root-cause analysis to identify corrective actions and prevent future occurrences	3	3		
	PC13: Provide training sessions on emergency protocols and equipment handling.	4	4		
	PC14: Ensure workers understand their specific roles during an emergency.	3	3		
	PC15: Teamwork and coordination to handle emergencies efficiently.	3	3		
	NOS Total Marks	**50**	**50**	**-**	
SSD/N0326 v 1.0: Health, Hygiene, Environmental, and Psychological Health Protocols (Lifting & Rigging)	PC1: Workers must use correct body mechanics to prevent musculoskeletal injuries (e.g., lifting with legs, not the back).	6	6		
	PC2: Ensure workstations and equipment are ergonomically designed to reduce strain, with tools like adjustable lifting devices.	5	5		
	PC 3 Ensure proper use of PPE such as gloves, masks, and protective clothing to	6	6		

	prevent exposure to harmful substances.				
	PC 4: Encourage workers to maintain personal hygiene, especially when handling hazardous materials or chemicals.	5	5		
	PC-5 Promote the use of energy-efficient lifting equipment, such as electric-powered cranes, to reduce carbon emissions.	5	5		
	PC-6 Store and handle chemicals and other hazardous materials safely, preventing spills and leaks.	6	6		
	PC 7: Conduct a Job Safety Analysis (JSA) or risk assessment before each lifting operation to identify and mitigate hazards.	6	6		
	PC 8: Ensure all workers are properly trained and certified in lifting and rigging techniques, safety procedures, and emergency response.	6	6		
	PC 9: Implement emergency response protocols, including evacuation plans and immediate access to first aid kits and spill control equipment.	5	5		
	NOS Total Marks	**50**	**50**		
DGT/VSQ/N0102: Employability Skills	PC1. understand the significance of employability skills in meeting the job requirements.	0.5	0.5	-	-
	PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.	0.5	0.5	-	-

	PC3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Cheerful outlook, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	0.5	0.5	-	-
	PC4. speak with others using some basic English phrases or sentences	0.5	0.5	-	-
	PC5. follow good manners while communicating with others.	1	2	-	-
	PC6. work with others in a team	1	2	-	-
	PC7. communicate and behave appropriately with all genders and PwD.	0.5	1	-	-
	PC8. report any issues related to sexual harassment.	1	1	-	-
	PC9. use various financial products and services safely and securely.	1	1	-	-
	PC10. calculate income, expenses, savings etc.	0.5	1	-	-
	PC11. approach the concerned authorities for any exploitation as per legal rights and laws.	0.5	1	-	-
	PC12. operate digital devices and use their features and applications securely and safely	1	1	-	-
	PC13. use internet and social media platforms securely and safely.	1	1	-	-

	PC14. identify and assess opportunities for potential business	0.5	1	-	-
	PC15. identify sources for arranging money and associated financial and legal challenges.	0.5	1	-	-
	PC16. identify diverse types of customers.	0.5	0.5	-	-
	PC17. identify customer needs and address them appropriately.	0.5	1	-	-
	PC18. follow appropriate hygiene and grooming standards.	0.5	1	-	-
	PC19. create basic biodata	0.5	0.5	-	-
	PC20. search for suitable jobs and apply.	1	2	-	-
	PC21. identify and register apprenticeship opportunities as per requirement.	1	1	-	-
	PC- 22 Use basic features of word processor, spreadsheets, and presentations	1	1		
	PC- 23 Identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	0.5	1		
	PC- 24 Develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	1	1		
	PC- 25 Identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	0.5	1		
	PC- 26 Identify different types of customers	0	0.5		

	PC- 27 Identify and respond to customer requests and needs in a professional manner	0.5	1		
	PC- 28 Follow appropriate hygiene and grooming standards	0.5	0.5		
	PC- 29 Create a professional Curriculum vitae (Résumé)	0.5	0.5		
	PC- 30 Search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	0	1		
	PC- 31 Apply to identified job openings using offline /online methods as per requirement	0.5	0.5		
	PC- 32 Answer questions politely, with clarity and confidence, during recruitment and selection	0.5	0.5		
	PC- 33 Identify apprenticeship opportunities and register for it as per guidelines and requirement	0	0.5		
	Total Marks	**20**	**30**	**-**	**-**
Grand Total		**420**	**430**	**-**	-

Tools, materials, and consumable list

List of Tools and Equipment

Batch Size: 30

No	Tools/Equipment Name	Specifications	Quantity for specified batch size
•	Slings	Nos	3
•	Shackles	Nos	3
•	Hooks	Nos	3
•	Eyebolts	Nos	3
•	Turnbuckles	Nos	3
•	Blocks and Pulleys	Nos	3
•	Cranes and Rigging Equipment	Nos	1
•	Hoists	Nos	1
•	Lifting Beams and Spreader	Nos	1
•	Load Binders	Nos	1
•	Load Cells and Dynamometers	Nos	1
•	Personal Protective Equipment (PPE)	Nos	5
•	Inspection Tools	Nos	1
•	Fall arrest systems	Nos	1
•	Safety nets	Nos	1
•	Load Monitoring Systems	Nos	1
•	Mock Loads	Nos	1
•	Training towers	Nos	1
•	Repair Kits for Slings and Rigging Equipment	Nos	1

•	Toolboxes with Basic Tools	Nos	1

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Black/White board
2. Marker
3. Projector
4. Computer with relevant software

Assessment Methods/Tools

SSD/N0319 v 1.0: Introduction to Lifting & Rigging and Safety Protocols

Practical questions **Total Marks:50**

The candidate is required to demonstrate basic lifting and rigging practices by preparing and executing a simple lifting operation while following safety protocols.

B. Multiple choice questions **(5*10=50 marks)**

1.	What is the most critical factor while selecting lifting equipment?			
	☐	A. Color of equipment	☐	B. Load capacity (SWL/WLL)
	☐	C. Brand name	☐	D. Cost
2.	Which of the following is the safest action before lifting a load?			
	☐	A. Start immediately	☐	B. Check mobile phone
	☐	C. Conduct pre-use inspection	☐	D. Skip PPE
3.	A damaged sling should:			
	☐	A. Be used carefully	☐	B. Be repaired by the worker
	☐	C. Be removed from service	☐	D. Be used for lighter loads
4.	What is the role of a signaler in lifting operations?			
	☐	A. Lift the load manually	☐	B. Guide crane/operator using signals
	☐	C. Inspect documents only	☐	D. Operate welding machine
5.	Which hazard is commonly associated with lifting operations?			
	☐	A. Proper communication	☐	B. Load swing
	☐	C. Safety helmet	☐	D. Training

6.	Safe Working Load (SWL) should never be:			
	☐	A. Displayed	☐	B. Followed
	☐	C. Exceeded	☐	D. Checked
7.	Which PPE is mandatory during lifting operations?			
	☐	A. Safety helmet and gloves	☐	B. Casual shoes
	☐	C. Sunglasses	☐	D. Scarf
8.	What should be ensured before giving a lifting signal?			
	☐	A. Everyone is clear of the load	☐	B. Load is overloaded
	☐	C. Equipment is uninspected	☐	D. Communication is unclear
9.	If communication between operator and signaler is lost, the operator should:			
	☐	A. Continue lifting	☐	B. Increase speed
	☐	C. Stop the operation	☐	D. Ignore the issue
10.	Why is proper rigging important?			
	☐	A. To save time	☐	B. To increase load weight
	☐	C. To ensure load stability and safety	☐	D. To reduce manpower

SSD/N0320 v 1.0: Safety, Legal and Regulatory Compliance for Lifting & Rigging Operations

Practical questions **Total Marks:50**

The candidate is required to demonstrate understanding and application of safety, legal, and regulatory compliance during a simulated lifting operation.

- Identify required permits (e.g., PTW) for lifting activity
- Verify certification/inspection status of lifting equipment
- Identify applicable safety regulations and site requirements
- Conduct basic risk assessment for the task
- Ensure proper use of PPE as per compliance norms
- Check documentation (inspection records, permits, checklists)
- Demonstrate reporting procedure for unsafe conditions

B. Multiple choice questions **(50marks)**

11	Which document authorizes a lifting operation to be carried out safely at site?			
	☐	A. Salary slip	☐	B. Permit to Work (PTW)
	☐	C. Identity card	☐	D. Invoice

12	Legal compliance in lifting operations primarily ensures			
		A. Faster work completion		B. Cost reduction
		C. Safety and adherence to regulations		D. Less manpower
13	Who is responsible for ensuring compliance with safety regulations at the worksite			
		A. Only workers		B. Only supervisor
		C. Employer and all personnel involved		D. Visitors
14	Which of the following is a statutory requirement for lifting equipment?			
		A. Painting		B. Certification and periodic inspection
		C. Decoration		D. Branding
15	What is the purpose of a risk assessment?			
		A. To delay work		B. To identify hazards and control risks
		C. To increase workload		D. To reduce documentation
16	Which authority typically enforces workplace safety regulations in India?			
		A. Traffic police		B. Labor Department / Safety Authority
		C. Bank		D. School
17	What should be done if safety regulations are not being followed?			
		A. Ignore the situation		B. Continue work
		C. Report to supervisor		D. Leave the site immediately
18	Which of the following is part of compliance documentation?			
		A. Personal diary		B. Inspection records
		C. Shopping list		D. Attendance sheet only
19	PPE usage is:			
		A. Optional		B. Required only for supervisors
		C. Mandatory as per safety regulations		D. Not necessary
20	Non-compliance with safety regulations can lead to			
		A. Rewards		B. Promotions
		C. Accidents and legal penalties		D. Faster completion

SSD/N0321 v 1.0: Load Planning, Stability Control & Process requirements

Practical questions **Total Marks:50**

The candidate is required to demonstrate the ability to plan and execute a lifting operation considering load characteristics, stability factors, and process requirements.

- Interpret given load details (weight, shape, dimensions)
- Identify center of gravity (approximate if needed)
- Select appropriate lifting equipment and accessories

- Plan rigging method ensuring load balance
- Identify potential risks related to load stability
- Follow standard lifting procedure (as per method statement)
- Demonstrate safe lifting, holding, and lowering of load. Ensure proper coordination and communication

B. Multiple choice questions **(5*10=50 marks)**

21.	What is the primary purpose of load planning?			
	☐	A. To reduce manpower	☐	B. To ensure safe and efficient lifting
	☐	C. To increase load weight	☐	D. To avoid documentation
22.	Center of Gravity (CoG) of a load affects:			
	☐	A. Color of load	☐	B. Stability during lifting
	☐	C. Cost of lifting	☐	D. Speed of crane
23.	An uneven load distribution can lead to:			
	☐	A. Faster lifting	☐	B. Load instability
	☐	C. Better balance	☐	D. Reduced risk
24.	Which factor is critical while selecting lifting equipment?			
	☐	A. Shape of load	☐	B. Weight of load
	☐	C. Both a and b	☐	D. Brand name
25.	Stability during lifting depends on:			
	☐	A. Weather only	☐	B. Load balance and rigging method
	☐	C. Color coding	☐	D. Operator mood
26.	What should be done before lifting an unknown load?			
	☐	A. Lift immediately	☐	B. Estimate or verify weight
	☐	C. Ignore load details	☐	D. Increase speed
27.	Which document helps in planning complex lifts?			
	☐	A. Salary sheet	☐	B. Lifting plan/method statement
	☐	C. Attendance register	☐	D. Invoice
28.	Overloading can result in:			
	☐	A. Increased efficiency	☐	B. Equipment failure
	☐	C. Better stability	☐	D. Faster completion
29.	What is the role of process requirements in lifting operations?			
	☐	A. To delay work	☐	B. To ensure standard procedures are followed
		C. To reduce safety		D. To avoid planning

30.	Dynamic forces during lifting are caused by?			
		A. Stationary load		B. Sudden movements or jerks
		C. Proper planning		D. Balanced load

SSD/N0322 v 1.0: Hazard Identification, Risk Assessment, Safety of Plant & Machinery in Lifting & Rigging Operations

Practical questions **Total Marks:50**

The candidate is required to demonstrate the ability to identify hazards, assess risks, and ensure safe operation of plant and machinery during a lifting and rigging activity.

- Identify at least 5 hazards in a simulated lifting work area
- Conduct a basic risk assessment (likelihood vs severity)
- Suggest appropriate control measures for identified hazards
- Inspect lifting equipment/machinery for visible defects
- Demonstrate safe operation practices for plant/machinery
- Use appropriate PPE during the task
- Report unsafe conditions and suggest corrective actions

B. Multiple choice questions **(5*10=50 marks)**

31.	Hazard identification refers to:			
		A. Ignoring risks		B. Recognizing potential sources of harm
		C. Completing work quickly		D. Avoiding documentation
32.	Risk assessment involves			
		A. Eliminating all work		B. Identifying hazards and evaluating risks
		C. Ignoring hazards		D. Increasing workload
33.	Which of the following is a common hazard in lifting operations?			
		A. Proper PPE usage		B. Equipment failure
		C. Clear communication		D. Adequate training
34.	A defective lifting machine should be:			
		A. Used carefully		B. Ignored
		C. Taken out of service		D. Used for lighter loads
35.	Which step comes first in risk assessment?			
		A. Control measures		B Hazard identification

		C. Monitoring		D. Review
36	Safe plant and machinery operation require:			
		A. No inspection		B. Regular inspection and maintenance
		C. Only operator experience		D. Ignoring manuals
37.	Which of the following is a control measure?			
		A. Ignoring hazards		B. Using PPE
		C. Overloading		D. Poor communication
38.	What is the purpose of equipment inspection?			
		A. Increase speed		B. Identify defects and ensure safety
		C. Delay work		D. Reduce manpower
39.	Risk level depends on:			
		A. Luck		B. Hazard severity and likelihood
		C. Weather only		D. Time of day
40.	Unsafe conditions should be:			
		A. Ignored		B. Reported immediately
		C. Hidden		D. Continued with

SSD/N0323 v 1.0: Lifting and Rigging Operations with Safety

Practical questions **Total Marks:50**

The candidate is required to demonstrate the complete process of a lifting and rigging operation, ensuring proper technique, equipment use, and adherence to safety protocols.

1.Select appropriate lifting equipment and rigging accessories
2.Inspect equipment before use
3.Wear appropriate PPE
4.Identify hazards in the lifting area
5.Rig the load correctly ensuring balance and stability
6.Communicate effectively with signaler/operator
7.Execute safe lifting, movement, and lowering of load
8.Maintain safe distance and control load movement

B. Multiple choice questions **(50 marks)**

41.	What is the primary objective of safe lifting and rigging operations?			
		A. Faster work completion		B. Ensuring safety of personnel and load
		C. Reducing manpower		D. Increasing load weight
42.	Which factor is most important while selecting rigging equipment?			
		A. Color		B. Cost

		C. Load capacity and suitability		D. Br
43.	Improper rigging can lead to:			
		A. Increased efficiency		B. Load instability and accidents
		C. Better balance		D. Reduced risk
44.	Before lifting a load, the rigger should ensure:			
		A. Load is overloaded		B. Equipment is uninspected
		C. Area is clear of personnel		D. No communication
45.	What is the role of proper communication during lifting?			
		A. Increase confusion		B. Ensure coordination and safety
		C. Delay operations		D. Avoid responsibility
46	Which of the following is a safe lifting practice?			
		A. Sudden jerks		B. Smooth and controlled lifting
		C. Overloading		D. Ignoring signals
47.	A load should be lifted:			
		A. With sudden movements		B. Slowly and steadily
		C. Without checking balance		D. Without communication
48.	What should be done if load starts swinging?			
		A. Increase speed		B. Ignore it
		C. Stop and control the load		D. Continue lifting
49.	Which of the following is a critical safety measure?			
		A. Ignoring PPE		B. Using damaged equipment
		C. Following standard procedures		D. Overloading
50.	Who ensures correct rigging and attachment of load?			
		A. Painter		B. Rigger
		C. Visitor		D. Driver

SSD/N0324 v 1.0: Inspection, Maintenance, and Certification of Lifting Equipment's.

Practical questions **Total Marks:50**

The candidate is required to demonstrate inspection of lifting equipment, identification of defects, and verification of certification and maintenance requirements

- Identify different types of lifting equipment and accessories
- Conduct visual inspection (slings, hooks, shackles, etc.)
- Identify at least 3 defects or unsafe conditions
- Check certification/inspection tags and records

- Explain basic maintenance practices (cleaning, lubrication, storage)
- Demonstrate tagging/removal of defective equipment
- Ensure use of PPE during inspection

B. Multiple choice questions **(50 marks)**

51.	What is the purpose of inspecting lifting equipment?			
	☐	A. To increase speed	☐	B. To identify defects and ensure safety
	☐	C. To delay work	☐	D. To reduce manpower
52.	Lifting equipment should be inspected:			
	☐	A. Only once	☐	B. Before each use and periodically
	☐	C. Only after failure	☐	D. Never
53.	Which of the following indicates a defective sling?			
	☐	A. Clean surface	☐	B. No markings
	☐	C. Fraying or cuts	☐	D. Proper labeling
54.	Preventive maintenance helps to:			
	☐	A. Increase breakdowns	☐	B. Ensure equipment reliability and safety
	☐	C. Avoid inspection	☐	D. Reduce equipment life
55.	Certification of lifting equipment ensures:			
	☐	A. Equipment color is correct	☐	B. Equipment meets safety standards
	☐	C. Equipment is new	☐	D. Equipment is expensive
56	Who is authorized to certify lifting equipment?			
	☐	A. Any worker	☐	B. Competent/authorized person
	☐	C. Visitor	☐	D. Operator only
57.	Inspection records are important because they:			
	☐	A. Increase paperwork	☐	B. Provide proof of compliance
	☐	C. Are not useful	☐	D. Replace maintenance
58.	If a defect is found during inspection, the equipment should be:			
	☐	A. Used carefully	☐	B. Ignored
	☐	C. Tagged and removed from service	☐	D. Used for light loads
59.	Which of the following is part of maintenance activity?			
	☐	A. Ignoring wear	☐	B. Lubrication and repair
	☐	C. Overloading	☐	D. Skipping checks

60.	Safe use of lifting equipment depends on:			
	☐	A. Luck	☐	B. Proper inspection, maintenance, and certification
	☐	C. Speed	☐	D. Cost

SSD/N0325 v 1.0: Plan, Organize, Communication & Emergency Protocols in Lifting & Rigging.

Practical questions **Total Marks:50**

The candidate is required to demonstrate planning and organizing of a lifting activity, effective communication during execution, and appropriate response to a simulated emergency situation.

- Plan a basic lifting operation (identify task, equipment, and sequence)
- Assign roles and responsibilities (rigger, signaler, operator, etc.)
- Demonstrate effective communication using standard hand signals
- Ensure coordination among team members
- Identify potential emergency scenarios (e.g., load fall, equipment failure)
- Demonstrate appropriate emergency response actions
- Follow safety protocols and ensure PPE compliance

B. Multiple choice questions **(50 marks)**

61.	What is the first step in planning a lifting operation?			
	☐	A. Start lifting	☐	B. Identify task requirements
	☐	C. Ignore procedures	☐	D. Skip communication
62.	Proper planning helps to:			
	☐	A. Increase risk	☐	B. Ensure safe and efficient operations
	☐	C. Delay work	☐	D. Avoid responsibility
63.	Organizing in lifting operations includes:			
	☐	A. Ignoring roles	☐	B. Assigning roles and responsibilities
	☐	C. Working individually	☐	D. Avoiding teamwork
64.	Effective communication during lifting operations is important to:			
	☐	A. Increase confusion	☐	B. Ensure coordination and safety
	☐	C. Delay work	☐	D. Avoid signals
65.	Who is responsible for giving signals during lifting operations?			
	☐	A. Visitor	☐	B. Signaler/Rigger
	☐	C. Painter	☐	D. Driver
66	What should be done if instructions are not clear?			

		A. Continue work		B. Ignore instructions
		C. Seek clarification		D. Stop permanently
67.	An emergency situation during lifting operation requires:			
		A. Ignoring the situation		B. Immediate response and action
		C. Continuing work		D. Delaying action
68.	Emergency protocols are designed to:			
		A. Increase workload		B. Manage and control incidents
		C. Avoid planning		D. Reduce communication
69.	Which of the following is part of emergency preparedness?			
		A. No training		B. Emergency drills
		C. Ignoring hazards		D. Avoiding PPE
70.	Proper coordination between team members ensures:			
		A. Increased risk		B. Smooth and safe operation
		C. Confusion		D. Delay

SSD/N0326 v 1.0: Health, Hygiene, Environmental, and Psychological Health Protocols (Lifting & Rigging)

Practical questions **Total Marks:50**

The candidate is required to demonstrate awareness and application of health, hygiene, environmental protection, and psychological well-being practices during a lifting and rigging work scenario

1. Identify health hazards (noise, dust, physical strain, etc.)
2. Demonstrate proper hygiene practices at workplace
3. Use appropriate PPE correctly
4. Identify environmental hazards (spills, waste, pollution risks)
5. Suggest and demonstrate proper waste management practices
6. Maintain good housekeeping in work area
7. Identify signs of fatigue or stress and suggest control measures
8. Follow safe work practices ensuring personal well-being

B. Multiple choice questions **(50 marks)**

71	Workplace hygiene refers to:			
		A. Ignoring cleanliness		B. Maintaining cleanliness and sanitation at workplace
		C. Avoiding work		D. Increasing workload
72.	Which of the following is a common health hazard in lifting operations?			
		A. Clean environment		B. Noise and dust exposure
		C. Proper lighting		D. Safe equipment
73.	Use of PPE helps to:			

	☐	A. Increase risk	☐	B. Protect workers from hazards
	☐	C. Delay work	☐	D. Reduce efficiency
74.	Environmental protection at worksite includes:			
	☐	A. Waste disposal anywhere	☐	B. Proper waste management
	☐	C. Ignoring spills	☐	D. Increasing pollution
75.	Fatigue at workplace can lead to:			
	☐	A. Better performance	☐	B. Increased risk of accidents
	☐	C. Faster work	☐	D. No impact
76	Psychological health includes:			
	☐	A. Physical strength only	☐	B. Mental well-being and stress management
	☐	C. Equipment handling	☐	D. Load lifting
77.	What is the best way to manage stress during work?			
	☐	A. Ignore it	☐	B. Proper rest and communication
	☐	C. Increase workload	☐	D. Avoid breaks
78.	Good housekeeping helps to:			
	☐	A. Increase hazards	☐	B. Reduce accidents
	☐	C. Delay work	☐	D. Avoid cleaning
79.	Environmental hazards in lifting operations may include:			
	☐	A. Clean air	☐	B. Oil spills and waste
	☐	C. Proper disposal	☐	D. Safety training
80.	Which of the following promotes a safe work environment?			
	☐	A. Ignoring safety rules	☐	B. Maintaining hygiene and awareness
	☐	C. Overloading	☐	D. Poor communication

DGT/VSQ/N0102: Employability Skills

Practical questions **Total Marks:30**

You are required to demonstrate key employability skills in a workplace scenario

1. Demonstrate effective verbal and non-verbal communication in a team discussion. *(10 Marks)*
2. Prepare a simple resume highlighting your skills and experience. *(10 Marks)*
3. Solve a workplace problem using logical thinking and decision-making. *(10 Marks)*

B. Multiple choice questions **(20 marks)**

81.	What is effective communication?

		A. Speaking loudly		B. Clear and understandable exchange of information
		C. Using technical words only		D. Talking continuously
82.	Which of the following is a non-verbal communication method?			
		A. Email		B. Phone call
		C. Body language		D. Written report
83.	What is the purpose of a resume			
		A. To describe company policies		B To showcase skills and qualifications
		C. To record attendance		D. To manage salary
84.	Teamwork means:			
		A. Working alone		B. Competing with others
		C. Working together to achieve a common goal		D. Avoiding responsibility
85.	Which skill helps in solving workplace problems?			
		A. Ignoring issues		B. Logical thinking
		C. Delaying decisions		D. Avoiding discussion

Assessment Evidence Form

Trainee name: **Trainee roll number:**

Centre name/ Code Date

This is to confirm that the trainee has handed over the final job to the assessor. (For each task separate sheet can be used).

Trainee's signature:

_____

Trainee's name (please print):

_____

Assessor's signature:

_____

Assessor's name (please print):

Assessor to affix photographs of the practical output (end product)

Centre Head's seal and signature:

Assessment summary

Assessor's comments

.....

.....

.....

This is to confirm that the trainee has undertaken the assessment for the job role of Lifting and Rigging Supervisor (Safety)

Trainee's signature:

_____

Trainee's name (please print):

_____

Assessor's signature:

_____

Assessor's name (please print):

_____

Centre Head's seal and signature:

_____

Trainee's photo ID (other than the Institute ID):

_____

Assessment completion date:

_____

Assessment Summary Sheet

SAFETY SKILL DEVELOPMENT FOUNDATION

ASSESSMENT SUMMARY SHEET

Qualification Pack – Lifting and Rigging Supervisor (Safety)

Training Provider: **Affiliation No.**					**Batch ID:**				**Training Centre Name & Address:**				
Candidate Detail:					**Roll No.:** **Name:**				**Roll No.:** **Name:**				
Assessment Summary:													
NOS No.	**Weightage of the NOS**	**Allotted (Marks)**			**Marks Obtained**				**Marks Obtained**				
		Skill (Practical)	**Knowledge**		**Skill (Practical)**	**Knowledge**			**Skill (Practical)**	**Knowledge**			
			Theory	**Project**		**Theory**	**Project**	**% per Nos**		**Theory**	**Project**	**% per Nos**	
SSD/VSQ/N0319	11%	50	50	0									
SSD/VSQ/N0320	17%	50	50	0									
SSD/VSQ/N0321	17%	50	50	0									
SSD/VSQ/N0322	11%	50	50	0									
SSD/VSQ/N0323	11%	50	50	0									
SSD/VSQ/N0324	6%	50	50	0									
SSD/VSQ/N0325	11%	50	50	0									
SSD/VSQ/N0326	6%	50	50	0									
DGT/VSQ/N0102 (60 Hours)	10%	30	20	0									
Total Marks	**100**	**430**	**420**	0									
		850											
Minimum pass % to qualify	**50%**	50% in each NOS and 50% overall			Pass/Fail								

Assessors Name:	**Signature:**
Assessing Body Representative Name:	**Signature:**
Assessment Agency:	**Signature:**