

Assessment Guide – Scaffolder - System - L4



Sector: Construction

Occupation: SCAFFOLDING

Reference id: CON/Q0305 ver. 1.0



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1. Qualification structure

To achieve full certification as a Scaffolder - System, trainees must complete all **five** units, attempt and pass assessments on practical skills, viva and written test.

Sl. no	Unit No.	Title	Assessment method
001	CON/N0351	Erect and dismantle common customized system scaffolds	The assessment for the practical skill part should be based on the competency of the trainee to erect and dismantle common customized system scaffolds. Assessment of the knowledge part would be done by conducting written test, viva-voice or through observation while carrying out practical exercise
002	CON/N0352	Erect and dismantle staircase tower and mobile tower scaffold	The assessment for the practical skill part should be based on the competency of the trainee to erect and dismantle staircase tower and mobile tower scaffold. Assessment of the knowledge part would be done by conducting written test, viva-voice or through observation while carrying out practical exercise
003	CON/N8001	Work effectively in a team to deliver desired results at the workplace	Assessment for the practical skill part should be based on the competency of the trainee to work effectively in a team including proper reporting, communication, documentation, problem solving etc. Technical and professional knowledge should be judged on the basis of theory, viva-voice or through observation.
004	CON/N8002	Plan and organize work to meet expected outcomes	Assessment of the practical skill of trainee would be based on the competency of effective planning and organizing to meet expected outcomes. Assessment of the knowledge part would be done by conducting written test, viva-voice or through observation while carrying out practical exercise
005	CON/N9001	Work according to personal health, safety and environment protocol at construction site	Assessment for the practical skill part should be based on the competency of the trainee to demonstrate PPE, identify and report hazards, pollution control, and safety standards based on the type of activity. Assessment of the knowledge part would be done by conducting written test, viva-voice or through observation while carrying



			out practical exercise
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2. Guidance for assessors

The qualification provides the performance criteria, skills and knowledge required to perform for the position of a Scaffolder - System at Level 4 in the Construction Sector. The role is referred to as 'Scaffolder – System'.

Brief Job Description: Scaffolder - System is responsible for erecting, dismantling and maintaining of various types of scaffold including system scaffold, staircase tower and mobile tower scaffolds at specified heights. The individual should have good knowledge of safe working practices and procedures while working at heights.

Personal Attributes: The individual is expected to be physically fit and should be able to work across various locations and height withstanding extreme condition while working. The individual should be organized, diligent, methodical and able to implement and maintain safety practices. The individual should have independent ability to take quick decisions and have good communication skills and shall be able to work within a team to handle various scaffolding tools and materials and work responsibly for own work within defined limit.

Introduction to assessments:

Trainees will be able to make an informed decision about their aptitude for work in this sector with an awareness of the options for career development.

The emphasis is on 'learning-by-doing' and practical demonstration of skills and knowledge based on the performance criteria. For this reason, trainees are required to complete a number of assignments to show their attainment of practical skills, viva and underpinning knowledge.

Overview of the assessments

The weightage of skill/performance assessment is 80% and for knowledge and understanding is 20% for each NOS.

The assessment consists of two categories:

1. Performance /Skill Assessment
2. Knowledge Assessment

Mode of Assessment

1. Demonstration/Practical for Performance /Skill Assessment
 2. Synoptic multiple choice question test.
 3. Viva
- } For Knowledge Assessment

Grading and weightage for assessments

Trainees are graded Pass or Fail.

Sl. no	Type of assessment	Sl. no
1.	Skill assessment by practical observation	80
2.	Knowledge assessment by synoptic MCQ test	12
3.	Knowledge assessment by viva	8



2.1 Performance/Skill Assessments

The performance/skill assessment will be conducted through demonstration/practical **Demonstration /Practical Assessment**

There will be **Two** practical task for core NOS (i.e. CON/N0351 and CON/N0352) which the trainee must attempt and demonstrate the occupational skills acquired to pass. Also the practical skill for NOS – N8001, N8002 and N9001 would be judged while carrying out practical task for core NOSs. Practical assessment is externally set and externally marked.

Trainees must attempt and pass the practical test which is assessed through a given task. The basis for practical task is the performance criteria checklist given in section 5.

The practical task is of **4.5 hours** duration (per group of 4 candidate).The trainee has to score **280 marks** to pass the practical test. The grading criteria are defined below.

Grading criteria for Performance/Skill Assessments

NOS	Title	Performance Assessment Duration (Minutes)	Min. passing marks out of 80	Assessment Result (Total Passing Marks)
CON/N0351	Erect and dismantle common customized system scaffolds	120	56	280≥ Pass 280< Fail
CON/N0352	Erect and dismantle staircase tower and mobile tower scaffold	120	56	
CON/N8001	Work effectively in a team to deliver desired results at the workplace	*	56	
CON/N8002	Plan and organize work to meet expected outcomes	*	56	
CON/N9001	Work according to personal health, safety and environment protocol at construction site	30	56	
Total		4 .5 hr	280/400	



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.

This assessment guide has a section for trainees-*Section 3*. For each assessment, the marking and grading criteria are intended only for faculty and assessors. Scheduling of the practical task assessments is flexible but to retain integrity of the assessment, they should be carried out as closely as possible to the written assessments.

Trainees are **not** permitted to use the Performance criteria checklist to work when completing the practical tasks but may familiarise themselves with it prior to an assessment.

Introducing the practical assessment to trainees

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 familiarise 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.

2.2 Knowledge Assessment

The knowledge assessments are conducted through written test and viva.

1. Synoptic multiple choice question (MCQ) test

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 to be marked by pen only.

Synoptic test is of **90 minutes** duration and carries **60 marks for 5 NOS**. 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.

2. Viva

Trainees are required to take the viva test **along with** their practical observation test which is an extended part of the practical observation and assessment. Viva test is of **30 minutes** duration per learner and carry **40 Marks**. The viva assessments are externally set and externally marked. For further guidance on viva, assessors can refer to *Section 5 Viva Guidance*.

The trainee has to score **70 marks** to pass the Knowledge assessment test. The grading criteria is as defined below



Grading criteria for Knowledge assessment

NOS No.	Duration of Assessment (Minutes)	Knowledge Assessment		Min Passing marks	Assessment Result (Total Passing Marks)
		MCQ test	Viva		
CON/N0351	120	12	8	14	≥ 70-Pass < 70-Fail
CON/N0352		12	8	14	
CON/N8001		12	8	14	
CON/N8002		12	8	14	
CON/N9001		12	8	14	
Total	120			70/100	

2.1 Question papers for synoptic test

The question paper of the synoptic test is a confidential document. It will be held under the custody of Assessment body. Every assessment body should prepare the question papers and get it approved from CSDCI. The centres need to follow the indenting process to obtain the question paper to administer the test.

2.2 Authenticity

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

2.3 Feedback

Assessors must provide feedback on every occasion when a skills observation takes place.

2.4 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.

2.5 Recording sheets

The recording sheets are also provided in *Section 4 Assessments*.

2.6 Codes of practice

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

2.7 Health and safety

The requirement to follow safe working practices is an integral part of all assessments and it is the responsibility of centres 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 advised of the reasons why. In case of doubts, guidance should be sought from the SSC.



2.8 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.

2.9 Internal quality assurance

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

Quality assurance includes initial centre approval, qualification approval and the centre's own internal procedures for monitoring quality. Centres are responsible for internal quality assurance and CSDCI and Assessment body are jointly responsible for external quality assurance.

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

The Assessment bodies are required to retain copies of trainees' assessment records and photographic evidence (in presence of trainee performing task) for three years after assessment.

2.10 Evidence Collection by the Assessor

1. 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.
2. The centre head also needs to declare that all the students appearing in the assessments have a minimum attendance of 80% for the training.
3. 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. Where ever required, the assessor can authenticate and cross verify trainee's credentials in the enrolment form.
4. 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.
5. 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.
6. The assessor needs to carry a camera to click photographs of the trainees working on the job and giving theory exam as evidence.
7. The assessor also needs to carry a photo ID card.
8. 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.



3. Trainee guidance

3.1 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 and competencies as mentioned in each NOS.
- Demonstrate knowledge and understanding skills as mentioned in each NOS.

Before the final assessments

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

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 hour 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 misbehaviour/unethical practice by a trainee would lead to disqualification of the trainee.

The assessment consists of two categories:

1. Knowledge/theory assessment
2. Performance /skill assessment

The first day of assessment will have the knowledge/theory test followed by practical and viva in smaller batches (20-30 trainee).

Assessment brief

Details of the two categories of assessments are mentioned below.

1. Theory (Synoptic multiple choice question)

Synoptic test is a Multiple Choice Question (MCQ) test to assess the underpinning knowledge and is to be taken by the trainee at the start of the assessment under controlled and invigilated conditions as a closed-book test.

The synoptic test comprise of 40 questions of 90 minutes duration.

2. Viva

Trainees are required to take the viva test along with their practical observation test which is an extended part of the practical observation and assessment. Viva test is of **30 minutes** duration per learner and carry 40 Marks.

A trainee has to score at least **70 marks** to pass the knowledge assessment.



Grading criteria for knowledge assessments

NOS No.	Duration of Assessment (Minutes)	Knowledge Assessment		Min Passing marks	Assessment Result (Total Passing Marks)
		MCQ test	Viva		
CON/N0351	120	12	8	14	≥ 70-Pass < 70-Fail
CON/N0352		12	8	14	
CON/N8001		12	8	14	
CON/N8002		12	8	14	
CON/N9001		12	8	14	
Total	120			70/100	

3. Performance/skill assessments

Trainees will be briefed on the practical observation and checklist to familiarise them on observation methodology. The trainees would be assessed on their working as well as their final product. Trainees are suggested to read the Qualification Pack to familiarise on Performance Criteria, Knowledge, Understanding and Skills.

The practical task is for **4.5 hours** (per group of 4 trainees). A trainee has to score at least **280 marks** to pass the practical observation test.

Grading criteria for Performance/Skill Assessments

NOS	Title	Performance Assessment Duration (Minutes)	Min. passing marks out of 80	Assessment Result (Total Passing Marks)
CON/N0351	Erect and dismantle common customized system scaffolds	120	56	280≥ Pass 280< Fail
CON/N0352	Erect and dismantle staircase tower and mobile tower scaffold	120	56	
CON/N8001	Work effectively in a team to deliver desired results at the workplace	*	56	
CON/N8002	Plan and organize work to meet expected outcomes	*	56	
CON/N9001	Work according to personal health, safety and environment protocol at construction site	30	56	
Total		4.5 hr	280/400	



4. Assessments

Assessments for the job role of Scaffolder - System are conducted to gauge and assess the trainees' competencies and professional expertise as well as their skill and knowledge in the specified area (Scaffolding).

During the practical task, trainees will be assessed on their workmanship, quality of finished product, 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 which is signed off by CSDCI.

The performance criteria checklist as a guide for all qualifications are given in section 5.0. Assessment tools in the form of a sample set of practical, theory and viva questions for each NOS is given as a guide in section 6 to 7. The assessment evidence, overall summary and NOS wise summary is given in section 8 to 10.



5. Performance criteria checklist

Scaffolder - System		
1. Learner Name: _____		
2. Enrolment No: _____		3. Centre: _____
Guidance to assessors: 1. Assessor must exhibit the performance criteria checklist to the learners before the commencement of the practical and explain them how the learners will be observed and graded during the practical assessment. However the learners are not allowed to use this checklist during the course of the assessment or task. 2. Assessor must ensure that all the tools listed in the "List of tools" are made available by the centre to every learner being assessed.		
Practical	Details	Marks
CON/N0351: Erect and dismantle common customized system scaffolds		
1	PC3. check for and ensure level, compactness of ground by visual / physical checks: <ul style="list-style-type: none"> Remove unwanted material and clean the area where the scaffold needs to be erected. Level and compact the area where scaffold needs to be erected. Use required tools to level and compact the ground. Ensure that the ground is dry and stabilized properly. 	
	PC1. determine the quantity of scaffolding material and component required for erection based on type of scaffolds and height requirements PC2. sort out all the components prior to erection of scaffold and replace the damaged ones PC4. ensure all the required components, tools, equipment and material are present prior to starting scaffolding work <ul style="list-style-type: none"> Calculate the quantity of required materials and components as per the drawing. Follow proper sequence while shift and stack required materials. Shift and stack required scaffold components near the work location (standard frames, ledger or bracings, platform materials, clamps, screw jack, base plate, sloe board etc.). Shift and stack required material near the work location (Ladder, safety net, barricading material). Shift and stack tools and tackles (spanner, hammer, key lever, spirit level, line string, plumb bob etc.). Ensure proper handling techniques while handling the material and components. 	
	PC5. check and fix guard rails and safety nets around the scaffold area to ensure safe working conditions in case of already erected scaffold or while working at heights PC6. prevent unauthorized access to the work area by providing proper barricades around the work area <ul style="list-style-type: none"> Barricade the area using safety net and guard rail by ensuring enough space is left for easy movement and stack the materials. Fix caution board and scaffold tags. 	



	<p>PC7. place base plates and sole boards on ground as per the marking for setting the scaffolds PC8. use proper components and follow erection with respect to types of scaffold used as per standard practices:</p> <ul style="list-style-type: none"> • Set out the position and place the sole plate on firm ground by considering required distance between scaffold unit and structure • Place sole board by ensuring no gap between ground and sole boards. • Place and adjust base plate on the centre of sole board. • Ensure base plate is nailed on the sole plate. • Select required materials and components to erect scaffold as per the sequence (Standard frames, ledger or bracings, platform materials, ladder, clamps, screw jack, base plate, etc.). • Stand a unit frame on each sole plate with a set of screw jack to the lowest adjustment, fitted inside the base of each leg of unit frame. • Fix the ends of a cross bracing to the frame on one side and then attach the other end of the brace to the other unit frame on the same side • Fix another cross bracing to the other side of the same bay. 	
	<p>PC9. check verticality of scaffold at first level of erection and correct (if required) before moving to the next level PC10. check for rigidity and stability of scaffold PC11. provide appropriate support to the scaffold erected as per standard practice and instructions from superiors</p> <ul style="list-style-type: none"> • Check verticality of scaffold at first level (use plumb bob or spirit level to check verticality). • Place spirit level on the top of two frames and adjust the level by using adjustable jack. • Repeat the process to reach required height. • Connect all the ledgers/bracings. • Tie vertical supports at an interval not more than 4 meter. • Ensure clamps are tightened properly. • Ensure diagonal bracings as per the drawing. • Use swivel clamps to provide diagonal bracing. 	
	<p>PC12. fix walk boards, guard rail, toe boards and other components on the working</p> <ul style="list-style-type: none"> • Place and tie ladder to the scaffold (not more than 75 degree). • Deck the platform with scaffold boards for full length of the scaffold. • Tie all the scaffold boards to the unit frame to avoid any displacement • Ensure there is no gap between the walk boards • Ensure the periphery of scaffold is covered by guard rails as per the drawing. • Ensure toe board is fixed properly. 	
	<p>PC13. offer for scaffolding inspection , do any rework as suggested by inspector and get it approve</p> <ul style="list-style-type: none"> • Inspect and fill the scaffold checklist at the spot. • Repair or rectify if any deviations found. 	



	<ul style="list-style-type: none"> • Call supervisor for final check and approval. 	
	<p>PC14. follow and ensure standard dismantling procedure according to types of scaffold</p> <p>PC15. check for stability, rigidity of scaffold before dismantling and maintain during dismantling</p> <p>PC16. remove guard rails, toe boards, walk boards and components sequentially keeping the overall safety in mind:</p> <ul style="list-style-type: none"> • Barricade the area where scaffold needs to be dismantled. • Ensure reverse order of erection. • Remove toe board and hand rails. • Remove and shift plat form board to ground level. • Use wheel pulley to lower the materials. • Remove external support and bracings. 	
	<p>PC17. lower scaffold components in a safe manner following the proper laid down procedure</p> <p>PC18. clean, repair and store scaffold components for further use:</p> <ul style="list-style-type: none"> • Dismantle and shift material to ground without damaging the materials. • Ensure materials should not be thrown from top. • Clean the material after dismantling. • Check for any damages. • Stack all the components in a specified location. • Clean the area. • Ensure proper housekeeping at work place. 	
	Total Marks	80
CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold		
2	<p>PC1. check for and ensure level and compactness of ground by visual / physical check:</p> <ul style="list-style-type: none"> • Remove unwanted material and clean the area where the scaffold needs to be erected. • Level and compact the area where scaffold needs to be erected. • Use required tools to level and compact the ground. • Ensure that the ground is dry and stabilized properly. 	
	<p>PC2. place base plates and sole boards on ground as per marking</p> <p>PC3. follow erection procedure for staircase tower scaffold as per standard practice</p> <ul style="list-style-type: none"> • Shift and stack required scaffold materials near the work location (standards or verticals, ledgers or horizontal member, diagonal pipe, sloe board, clamps, screw jack, base plate, kick board, gap plate, top railing, intermediate railing etc.). • Ensure proper handling techniques while handling the material and components. • Shift and stack tools and tackles (podger spanner, ring spanner, claw hammer, mash hammer, spirit level, line string, plumb bob, knife etc.). 	



	<p>PC4. check verticality of staircase tower scaffold at first level of erection and correct before moving on to subsequent levels PC5. check for rigidity and stability of staircase tower scaffold PC6. provide support to staircase tower scaffold as per standard practice PC7. fix guard rail, gap plates, kickboard and other related components on the staircase scaffold:</p> <ul style="list-style-type: none"> • Barricade the area using safety net and guard rail by ensuring enough space is left for easy movement and stack the materials. • Fix caution boards and safety signage's to prevent unauthorised access to the work area. 	
	<p>PC8. follow dismantling procedure as per standard practices PC9. remove guard rails, gap plates, kickboards and components sequentially PC10. check for stability, rigidity of scaffold before dismantling and maintain during dismantling:</p> <ul style="list-style-type: none"> • Barricade the area where scaffold needs to be dismantled. • Ensure reverse order of erection. • Use wheel pulley to lower the materials. • Remove external support and bracings. 	
	<p>PC11. lower staircase scaffold components in a safe manner PC12. clean, repair and store staircase scaffold components for further use</p> <ul style="list-style-type: none"> • Use wheel pulley to lower the materials. • Remove external support and bracings. • Dismantle and shift material to ground without damaging the materials. • Ensure materials should not be thrown from top. Check and clean the material after dismantling. 	
	<p>PC13. check for and ensure level, compactness of ground by visual / physical check</p>	
	<p>PC14. check for working conduction of castor wheel: Follow correct procedure as per the manufacturer instructions</p>	
	<p>PC15. follow erection procedure for mobile tower scaffold as per standard practice: Follow correct procedure as per the manufacturer instructions</p>	
	<p>PC16. check verticality of mobile tower scaffold at first level of erection and correct before moving on to subsequent levels PC17. check for rigidity and stability of mobile tower scaffold PC18. provide support to mobile tower scaffold as per standard practices PC19. fix walk boards, guard rail, toe boards and other components: Follow correct procedure as per the manufacturer instructions</p>	
	<p>PC20. unlock castors and move scaffold as per requirement PC21. maintain prescribed distance from overhead power lines (if any) PC22. follow appropriate dismantling procedure as per standard practices PC23. remove guard rails, toe boards, walk boards and components sequentially PC24. check for stability, rigidity of scaffold before dismantling and maintain during dismantling:</p>	



	Follow correct procedure as per the manufacturer instructions	
	<p>PC25. lower mobile tower scaffold components in a safe manner</p> <p>PC26. clean, repair and store mobile tower scaffold components for further use:</p> <ul style="list-style-type: none"> • Barricade the area where scaffold needs to be dismantled. • Ensure reverse order of erection. • Remove toe board and hand rails. • Use wheel pulley to lower the materials. • Remove external support and bracings. • Dismantle and shift material to ground without damaging the materials. • Ensure materials should not be thrown from top. • Check and clean the material after dismantling. 	
	Total Marks	80
CON/N8001: Work effectively in a team to deliver desired results at the workplace		
3	<p>PC1. Pass on work related information/ requirement clearly to the team members:</p> <ul style="list-style-type: none"> • Communicate work related information clearly to the team members while performing task. <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC2. Inform co-workers and superiors about any kind of deviations from work:</p> <ul style="list-style-type: none"> • Inform any kind of deviation to the instructor while performing the task. • Is able to escalate any kind of deviations to assessor/instructor. <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC3. Address the problems effectively and if required, report to immediate supervisor appropriately:</p> <ul style="list-style-type: none"> • Address the problems to the assessor/instructor (damaged tools, damaged scaffold components, material shortage etc.). <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	



	<p>PC4. receive instructions clearly from superiors and respond effectively on same:</p> <ul style="list-style-type: none"> • Adhere to the instructions given by assessor/instructor while performing the task. • Is able to receive instructions clearly. <p>Assessor may observe this skill while following tasks are being performed by assesse</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC5. Communicate to team members/subordinates for appropriate work technique and method:</p> <ul style="list-style-type: none"> • Communicate work related information/techniques clearly to the team members while performing task <p>Assessor may observe this skill while following tasks are being performed by assesse</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC6. Seek clarification and advice as per requirement and applicability:</p> <ul style="list-style-type: none"> • Is able to seek clarification and advice as per requirement. <p>Assessor may observe this skill while following tasks are being performed by assesse</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC7. Hand over the required material, tools, tackles, equipment and work fronts timely to interfacing teams:</p> <ul style="list-style-type: none"> • Hand over the required tools/ materials to appropriate person post completion of work • Collect required tools/ devices from stores/ respective departments/ authority prior to start working • Complete tasks within provided time limit • Ensure material/ tools/ tackles are handed over to interfacing teams in safe condition <p>Assessor may observe this skill while following tasks are being performed by assesse</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC8. Work together with co-workers in a synchronized manner:</p> <ul style="list-style-type: none"> • Work together with co-worker. (Performing scaffold erection and dismantling) • Have clear communication with the team member while performing the task. • Help and motivate co-workers to complete the task. • Advice team member on work techniques. • Report conflict to superior/ concerned authority 	



	<p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	Total Marks	80
CON/N8002: Plan and organize work to meet expected outcomes		
4	<p>PC1. Understand clearly the targets and timelines set by superiors:</p> <ul style="list-style-type: none"> • Interpret the instructions from seniors. • Describe duration of tasks to be performed to the assessor <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC2. Plan activities as per schedule and sequence:</p> <ul style="list-style-type: none"> • Describe steps to be followed to execute assign task • Follow the sequence of work. <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC3. Provide guidance to the subordinates to obtain desired outcome</p> <p>PC8. Engage allocated manpower in an appropriate manner:</p> <ul style="list-style-type: none"> • Pass on work related information to subordinates • Describe the use of tools to subordinates <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC4. Plan housekeeping activities prior to and post completion of work:</p> <ul style="list-style-type: none"> • Implement housekeeping norms and instructions <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC5. List and arrange required resources prior to commencement of work</p> <p>PC6. Select and employ correct tools, tackles and equipment for completion of desired work</p> <p>PC7. Complete the work with allocated resources</p> <ul style="list-style-type: none"> • Acquire tools/ materials from authorised place/ person. 	



	<ul style="list-style-type: none"> Describe required tools/ materials for assigned tasks. Use tools and materials to execute tasks <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> CON/N0351: Erect and dismantle common customized system scaffolds CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC9. Use resources in an optimum manner to avoid any unnecessary wastage</p> <p>PC10. Employ tools, tackles and equipment with care to avoid damage to the same</p> <ul style="list-style-type: none"> Is able to reduce material damage while performing task. Is able to follow proper sequence of execution. Is able to select right tool for right job. Is able to safeguard the tools and equipment while performing the task. <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> CON/N0351: Erect and dismantle common customized system scaffolds CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC11. Organize work output, materials used, tools and tackles deployed</p> <p>PC12. Processes adopted to be in line with the specified standards and instructions</p> <ul style="list-style-type: none"> Is able to list and organise the material, tools and tackles used. Is able to follow standard procedures while performing the task. Is able to follow safe working practices while performing the task <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> CON/N0351: Erect and dismantle common customized system scaffolds CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	Total Marks	80
CON/N9001: Work according to personal health, safety and environment protocol at construction site		
5	<p>PC1. Identify and report any hazard, risks or breaches in site safety to the appropriate authority</p> <p>PC6. Use appropriate Personal Protective Equipment (PPE) as per work requirements including:</p> <p>Is able to identify and demonstrate the use of following PPE:</p> <ul style="list-style-type: none"> Head Protection (Helmets) Ear protection. Fall Protection. Foot Protection. Face and Eye Protection. Hand and Body Protection. 	



	<ul style="list-style-type: none"> • Respiratory Protection (if required). <p><u>*The skill is mandatory to be exhibited by assessee to pass the NOS</u></p> <ul style="list-style-type: none"> • List possible hazards while performing different task (while shifting scaffold materials, scaffold erection) • Identify work place hazards while executing the task (high tension overhead line, un guarded deep excavations near the scaffold, damaged tools etc.). <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	<p>PC2. Follow emergency and evacuation procedures in case of accidents, fires, natural calamities</p> <ul style="list-style-type: none"> • List different types of emergency situation (Fire, flood, building collapse, war etc.) • Ensure proper method to respond in case of any emergency. (Candidate to perform role play based on the scenario given by assessor) 	
	<p>PC3. Follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable</p> <ul style="list-style-type: none"> • Follow safe working practice while performing all the task. • Follow safe practice while handling hand and power tools. 	
	<p>PC4. Participate in safety awareness programs like Tool Box Talks, safety demonstrations, mock drills, conducted at site</p> <ul style="list-style-type: none"> • List different types of emergency situation (Fire, flood, building collapse, war etc.) • Ensure proper method to respond in case of any emergency. (Assessor to ask viva questions to assess the knowledge) • Name different safety awareness program. • List the benefits of attending safety awareness program. 	
	<p>PC5. Identify near miss, unsafe condition and unsafe act</p> <ul style="list-style-type: none"> • List unsafe condition found while performing the task (Lack of illumination, inadequate ventilation, overcrowded and congested work places, unguarded and faulty machineries, defective tools and equipment etc.) • List unsafe act found while performing the task (Not wearing safety gadgets, bullying team member, using faulty machineries etc.). 	
	<p>PC7. Handle all required tools, tackles, materials & equipment safely.</p> <ul style="list-style-type: none"> • Follow safe practice while handling hand tools and materials <p>Assessor may observe this skill while following tasks are being performed by assessee</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	



	<p>PC8. Follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines</p> <ul style="list-style-type: none"> • Follow safe disposal of harmful waste. • Follow proper precautionary measures while handling harmful waste (waste shuttering oil, chemical etc.) • Dispose hazardous waste into designated container. 	
	<p>PC9. Install and apply properly all safety equipment as instructed</p> <ul style="list-style-type: none"> • Identify and demonstrate the use of air breathing equipment. • Identify and demonstrate the use of fire extinguisher. • Identify and demonstrate the use of fire blanket. 	
	<p>PC10. Follow safety protocol and practices as laid down by site EHS department.</p> <ul style="list-style-type: none"> • Identify and list the information provided in emergency preparedness plan. • Describe safe assembly point. • List emergency services with contact number (Fire, ambulance etc.). • List the components of first aid box. • Describe first aid procedure for different accidents. • List hygienic practice to be followed. 	
	<p>PC11. Collect and deposit construction waste into identified containers before disposal, separate containers that may be needed for disposal of toxic or hazardous wastes</p> <ul style="list-style-type: none"> • Collect the waste into designated yard or container based on the type of waste • Follow correct method to shift waste materials to the designated yard 	
	<p>PC12. Apply ergonomic principles wherever required.</p> <ul style="list-style-type: none"> • Follow proper ergonomic principles while performing all the task (While climbing and landing on the scaffold) <p>Assessor may observe this skill while following tasks are being performed by assesse</p> <ul style="list-style-type: none"> • CON/N0351: Erect and dismantle common customized system scaffolds • CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold 	
	Total Marks	80
	Grand Total	400



6. Tools, materials and consumable list

Below tools list is prepared based on the practical questions for the NOS CON/N0351 and CON/N0352.

Tools and consumables required				
Category	Sl.no.	Particulars	Specification	Quantity
Tools	1.	Podge spanner	17, 19, 21	4 sets
	2.	Ring spanner	17, 19, 21	4 sets
	3.	Open end spanner	17, 19, 21	4 sets
	4.	Claw hammer	Short handle	4 sets
	5.	Mash hammer	2 lb	4 sets
	6.	Vernier calliper	Any reputed brand	4 sets
	7.	Hack saw blade with frame	Type B	4 sets
	8.	Line string	Nylon	4 sets
	9.	Knife	Steel	4 sets
	10.	Wheel pulley	Light duty	4 sets
Measuring instruments	1.	Steel scale	30 cm	25
	2.	Try square	150 X150 mm	15
	3.	Spirit level	3 meter	02
	4.	Plumb bob	Brass (150 gram)	04
	5.	Measuring tape	5 meter	4 sets
Power tools	1.	Drilling machine	Any reputed brand	As required
Materials required for practical	1.	H frame	As required	As required
	2.	Cross bracings	As required	As required
	3.	Extension pipe	As required	As required
	4.	Sole board	As required	As required
	5.	MS pipe 50mm OD, 4mm thick	As required	As required
	6.	MS pipe 50mm OD, 4mm thick	As required	As required
	7.	MS pipe 50mm OD, 4mm thick	As required	As required
	8.	Swivel coupler	As required	As required
	9.	Rigid coupler	As required	As required
	10.	Putlog coupler	As required	As required
	11.	Sleeve coupler	As required	As required
	12.	Stairway set (including all components)	As required	As required
	13.	Toe board	As required	As required
	14.	Wooden planks	As required	As required
	15.	Staircase tower scaffold with components (as per manufacturer)	Standard make	As required
	16.	Mobile tower scaffold with components (as per manufacturer)	Standard make	As required
	17.	Lifting appliances (wheel and rope)	Any reputed brand	2 sets
	18.	Wheel barrows	100 kg capacity	4
	19.	Safety Net	Any reputed brand	As required
Safety items	1.	Helmet	Any reputed brand	1 per learner
	2.	Face shield	Any reputed brand	1 per learner
	3.	Safety goggles	Any reputed brand	1 per learner
	4.	Safety shoes	Any reputed brand	1 per learner
	5.	Safety belt	Any reputed brand	1 per learner
	6.	Ear defenders	Any reputed brand	1 per learner



	7.	Particle masks	Any reputed brand	1 per learner
	8.	Knee pad	Any reputed brand	1 per learner
	9.	Reflective jackets	Any reputed brand	1 per learner
	10.	Pencil	Any reputed brand	1 per learner
Infrastructure	1.	Class room for theory assessment with 30 study chairs	300 sq.ft	1 per batch
	2.	Workshop for practical assessment	900 sq.ft	1 per batch
	3.	Toilet/Urinals (Separate for gents and Ladies)	2 WC +5 urinals	1 per batch
	4.	3 phase power supply points	Any reputed brand	As required
	5.	Single phase power supply points	Any reputed brand	As required
	6.	Fire extinguishers (mechanical foam, DCP, CO ₂ and sand buckets with stand)	Any reputed brand	As required
	7.	First aid kit	Any reputed brand	As required
	8.	Tool box with lock and key	Any reputed brand	As required



7. Assessment methods/tools

7.1 CON/N0351: Erect and dismantle common customized system scaffolds

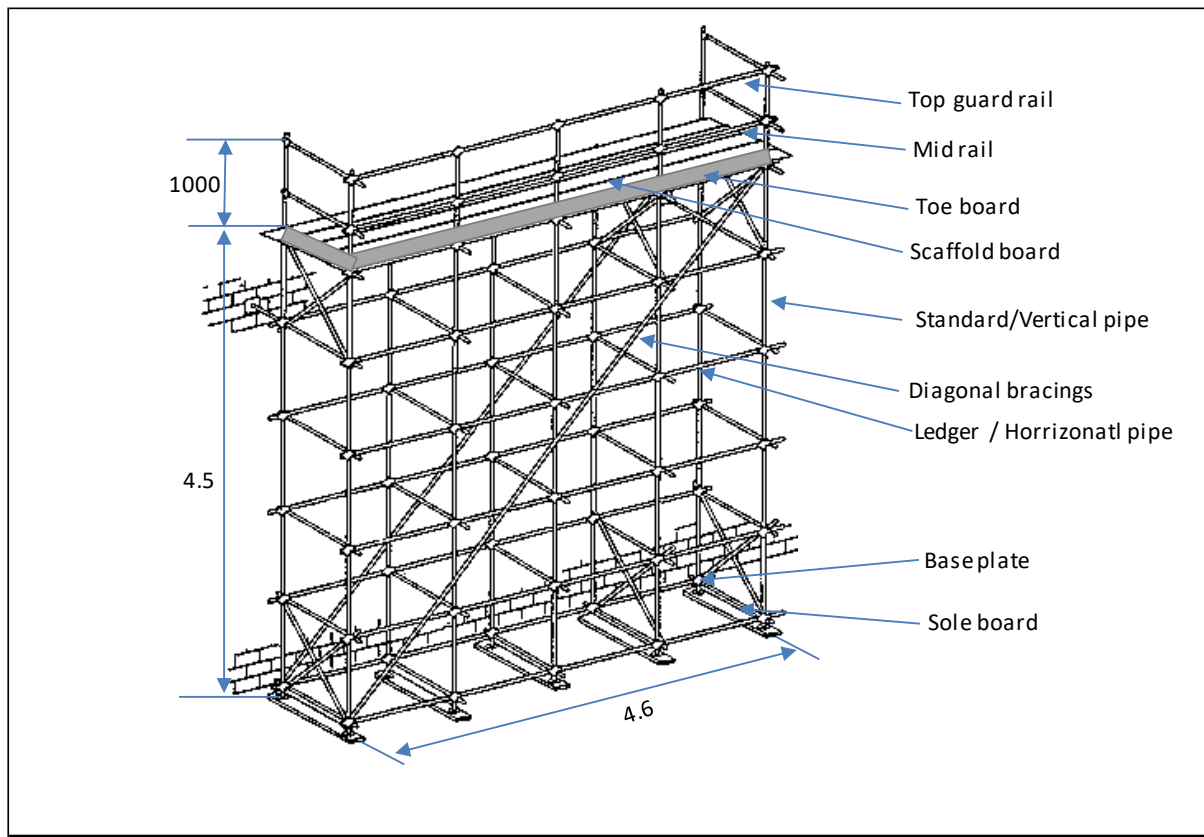
A. Practical questions

Total Marks: 80

Duration: 120 minutes

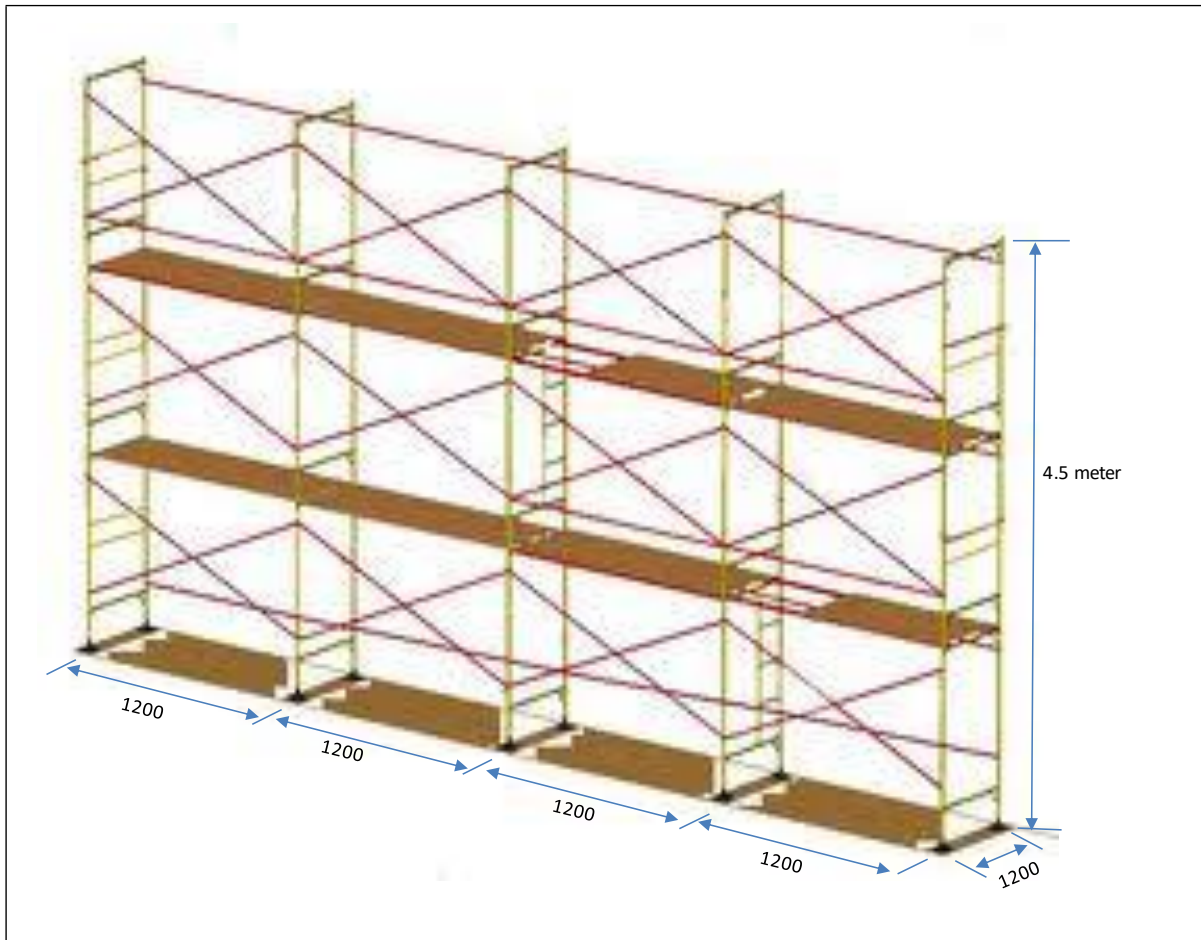
- Calculate the quantity of materials and tools required for double layer tube and coupler scaffold. 8 marks
 - Candidate to calculate the quantity of material required for double layer tube and coupler scaffold (vertical post, ledger, diagonal braces, sole board, base plate, rigid clamp, swivel clamp, sleeve clamp, screw jack, platform boards, toe boards, claw hammer, podger hammer, mash hammer, spirit level, plumb bob, line string etc.)
- Calculate the quantity of material required for H frame system scaffold. 8 marks
 - Candidate to calculate the quantity of material required for H frame system scaffold (H frame, cross bracings, extension pipe, diagonal braces, sole board, base plate, rigid clamp, swivel clamp, sleeve clamp, screw jack, platform boards, toe boards, fibre ropes, claw hammer, podger hammer, mash hammer, spirit level, plumb bob, line string etc.)
- Prepare the area where scaffold is to be erected. 10 marks
 - Ensure that the area is well compacted in case scaffold need to be erected on ground.
 - Remove unwanted materials and clean the area.
 - Barricade the area with guard rails and safety net.to avoid unauthorised entries.
- Carryout erection of double layer scaffold using pipes and couplers 15 Marks
 - Select pipes, coupler as per the requirement (rigid coupler for cross intersection, swivel coupler for diagonal intersections)
 - Follow correct sequence as per the industry standards.
 - Check for verticality and stability
 - Check for supports and tightness of coupler
- Carryout erection of H frame system scaffold. 15 Marks
 - Select H frame, cross bracings, extension pipe, coupler as per the requirement (rigid coupler for cross intersection, swivel coupler for diagonal intersections)
 - Follow correct sequence as per the industry standards.
 - Check for verticality and stability
 - Check for supports and tightness of coupler
- Carryout dismantling of tube and coupler scaffold. 12 Marks
 - Follow correct sequence as per the industry standards
 - Lower the scaffold material in a safe manner
 - Clean and stack materials in a designated area.
 - Ensure housekeeping after the completion of job.
- Carryout dismantling of H frame system scaffold. 12 Marks
 - Follow correct sequence as per the industry standards
 - Lower the scaffold material in a safe manner
 - Clean and stack materials in a designated area.
 - Ensure housekeeping after the completion of job

A. Carryout double layer scaffold using pipe and coupler as per the drawing



Note: This task can be modified without deviating the performance criteria. Helper to be provided to perform the task.

B. Carryout H frame system scaffold as per the drawing.



Note: This task can be modified without deviating the performance criteria. Helper to be provided to perform the task.



B. Multiple choice questions

Total Marks: 12

Duration: 15 Minutes

(Preferably written but oral is also permitted)

1. The space between the centre lines of two adjacent standards along the face of the scaffold is called _____? 2 Marks
 - a. **Bay**
 - b. Tie
 - c. Lift
 - d. Brace

2. Which of the following is the specification for steel tubes used in tubular scaffolding? 1 Mark
 - a. 30mm nominal bore heavy class of grade YSt 22
 - b. 40mm nominal bore low class of grade YSt 22
 - c. **40mm nominal bore heavy class of grade YSt 22**
 - d. 60mm nominal bore heavy class of grade YSt 22

3. What is the other name for independent scaffold? 1 Mark
 - a. **Double layer scaffold**
 - b. Out rigger scaffold
 - c. Rigid scaffold
 - d. Putlog scaffold

4. Which of the following activity require low duty scaffold? 1 Mark
 - a. **Painting work**
 - b. Masonry work
 - c. Concreting work
 - d. Installation of girder beam

5. A timber or other member used to distribute the load from base plate to the ground is called _____? 1 Mark
 - a. Base plate
 - b. **Sole board**
 - c. Toe board
 - d. Castor

6. Which of the following coupler is used to tie diagonal bracings in scaffold? 2 Marks
 - a. Right angle coupler
 - b. **Swivel coupler**
 - c. Putlog coupler
 - d. Sleeve coupler

7. A working platform should be at least _____ wide if the platform is used for the deposit of material. 1 Mark
 - a. 700 mm
 - b. **900 mm**
 - c. 1500 mm
 - d. 1300 mm



8. A tube which is wedged between two opposing surfaces (for example window opening) to tie scaffold to a building is called _____? 1 Mark
- Reveal tie**
 - Tie tube
 - Reveal pin
 - Joint pin
9. Working platform should be extended at least _____ beyond the end of wall, where work has to be done at the end of the wall. 1 Mark
- 300 mm
 - 600 mm**
 - 200 mm
 - 100 mm
10. Which of the following statement you feel incorrect while dismantling a scaffold? 2 Marks
- Clean the material in case of accumulation of dead mortar or mud
 - Segregate and stack components after dismantling
 - Inspect the component and report if any damages
 - Throw scaffold component from top to ground while dismantling**



C. Viva questions

Total Marks: 8

Duration: 5 Minutes

(These questions could be asked during practical observation)

1. List different types of couplers used in scaffolding? 2 Marks
Possible answers
 - a. Rigid coupler
 - b. Swivel coupler
 - c. Putlog coupler
 - d. Sleeve coupler
 - e. Right angle coupler
 - f. Girder coupler

2. What are the common causes for accident while using a ladder? 2 Marks
Possible answers
 - a. Ascending or descending improperly
 - b. Failure to secure ladder at top and/or bottom
 - c. Structural failure of the ladder itself
 - d. Carrying objects in hand while ascending or descending
 - a. Unsafe conditions of placing the ladder.

3. List common customised system scaffolds? 2 Marks
Possible answers:
 - a. Tube and coupler
 - b. H frame
 - c. Cup lock
 - d. Kwik stage

4. What are the pre checks to be ensured before starting scaffold dismantling? 2 Marks
Possible answers
 - a. Ensure that the work is completed for which the scaffold is erected.
 - b. Take prior approval from reporting senior.
 - c. Check for any damage on scaffold components.
 - d. Ensure that no support is been removed.
 - e. Ensure that no ledgers or bracings removed.
 - f. Ensure that the surroundings of dismantling area is properly barricaded.



7.2 CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold

A. Practical questions

Total Marks: 80

Duration: 120 minutes

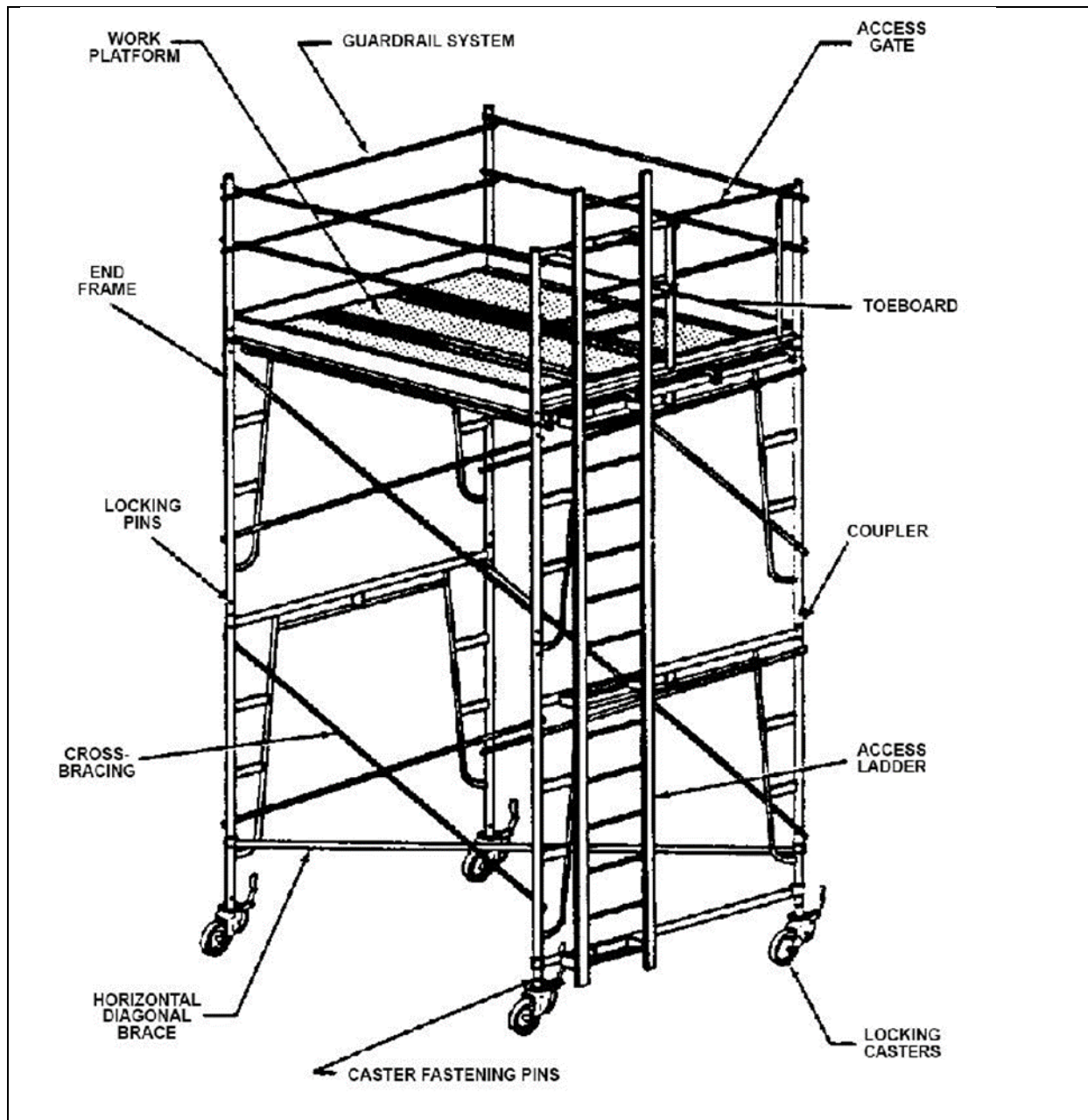
- Calculate the quantity of material required for staircase tower scaffold. 8 marks
 - Candidate to calculate the quantity of materials and tools required for staircase tower scaffold (vertical post, ledger, diagonal braces, step off plate, gap plate, kick boards, sole board, base plate, rigid clamp, swivel clamp, sleeve clamp, screw jack, claw hammer, podger hammer, mash hammer, spirit level, plumb bob, line string etc.)
- Prepare the area where scaffold is to be erected. 12 marks
 - Ensure that the area is well compacted in case scaffold need to be erected on ground.
 - Remove unwanted materials and clean the area.
 - Barricade the area with guard rails and safety net.to avoid unauthorised entries.
- Carryout erection of staircase tower scaffold using required materials 20 Marks
 - Select required materials based on the height of scaffold.
 - Read and understand the manufacturer instructions.
 - Follow correct sequence as per the industry standards.
 - Check for verticality and stability
 - Check for supports and tightness of coupler.
- Carryout dismantling of staircase tower scaffold. 15 Marks
 - Follow correct sequence as per the industry standards
 - Lower the scaffold material in a safe manner
 - Clean and stack materials in a designated area.
 - Ensure housekeeping after the completion of job.
- Erect aluminium mobile tower scaffold platform. 15 Marks
 - Candidate to calculate the quantity of material required (standard frame, cross bracings, castor wheel, stiffeners, stabilisers, access ladder, platform materials, railing materials, spanner, spirit level, plumb bob, line string etc.)
 - Read and understand the manufacturer instructions for erection and dismantling.
 - Erect mobile tower scaffold as per the manufacturer instruction.
 - Check for verticality and stability of mobile tower scaffold.
- Dismantle aluminium mobile tower scaffold platform 10 Marks
 - Dismantle as per the manufacturer instruction.
 - Clean and stack materials in a designated area.

A. Carryout erection of staircase tower scaffold as per the drawing/instruction



Note: This task can be modified without deviating the performance criteria. Helper to be provided to perform the task.

B. Carryout erection of mobile tower scaffold as per the drawing



Note: This task can be modified without deviating the performance criteria. Helper to be provided to perform the task.



B. Multiple choice questions

Total Marks: 12

Duration: 15 Minutes

(Preferably written but oral is also permitted)

1. Identify the scaffold component from the image below?

2 Marks



- a. **Base plate**
- b. Gap plate
- c. Step off plate
- d. Sole board

2. Which of the following is the maximum angle of ascent for scaffold stairways as per IS code? 2 Marks

- a. 75 degrees
- b. **50 degrees**
- c. 30 degrees
- d. 60 degrees

3. _____ must be fitted to prevent materials falling from access tower. 2 Marks

- a. **Kick board**
- b. Sole board
- c. Hand rail
- d. Landing

4. Scaffold exceeding ____ height, stairways are the safest means of access. 2 Marks

- a. 10 meter
- b. **4 meter**
- c. 2 meter
- d. 8 meter

5. What is the minimum thickness of a wooden sole board? 2 Marks

- a. **50mm**
- b. 100 mm
- c. 25mm
- d. 80mm

6. Identify the scaffold component from the image below? 2 Marks



- a. **Telescopic guard rail**
- b. Unit frame
- c. Cross bracing
- d. Standard



7. Which of the following tools is used to check the verticality of the mobile tower? 2 Marks
 - a. **Spirit level**
 - b. Measuring tape
 - c. Straight edge
 - d. Right angle

8. Which of the following component is used to avoid overturning of mobile towers? 2 Marks
 - a. **Stabiliser**
 - b. Toe board
 - c. Guard rail
 - d. Spigot

9. A swivelling wheel attached to the lower end of scaffolding for the purpose of moving is known as _____? 2 Marks
 - a. **Castor**
 - b. Coupler
 - c. Brace
 - d. Bridle

10. Components of mobile tower scaffold should be stored in contact with cement or lime. 2 Marks
 - a. Statement is correct
 - b. **Statement is not correct**



C. Viva questions

Total Marks: 8
Duration: 5 Minutes

(These questions could be asked during practical observation)

1. What are the components of compact stair tower? 2 Marks
Possible answers:
 - a. Sole board
 - b. Base plate
 - c. Standards
 - d. Ledgers
 - e. Decks
 - f. Gap plates
 - g. Kickboard
 - h. Stairway stringers
 - i. Deck locking clamp
 - j. Handrails

2. What are the requirements of scaffold stairways as per IS standard? 2 Marks
Possible answers:
 - a. Treads and risers should be of uniform width and height
 - b. Staircase should have minimum width of 1.0 m
 - c. No unbroken vertical rise of more than 4 m.
 - d. Maximum angle of ascent 50 degrees.
 - e. Stair railings should be provided on all open sides.
 - f. Hand rails should be provided on all enclosed sides

3. What are the recommended safe working practices for mobile tower scaffold? 2 Marks
Possible answers:
 - a. Mobile access towers must only be moved manually, by pushing at the base
 - a. Ensure that the platforms are free of persons and equipment and that brake locks are off prior to movement
 - b. Do not use components other than intended use.
 - c. Only to be used on even surface.
 - d. Never modify components in anyway
 - e. Never use additional ladder to gain additional height from access tower.
 - f. Refer manufacturer instructions before erection.
 - g. Use required PPE while erecting scaffold

4. What are the various types of staircase towers? 2 Marks
Possible answers
 - a. Internal access towers
 - b. Platform stairs
 - c. Compact stair tower
 - d. Modular stairs
 - e. All-round stairway towers



7.3 CON/N8001: Work effectively in a team to deliver desired results at the workplace

A. Practical questions

Total Marks: 80

Assessor is required to assess this NOS bases on his/her observation skill and knowledge to observe, ask questions and assess trainee while performing all core NOS's during the practical task for following points:

- How the candidate communicates work related information to team member or to assessor. 10 Marks
 - Is the candidate able to explain the process/sequence before performing every task? (Like erecting tubular scaffold, while erecting H frame scaffold, while dismantling scaffold etc.)
 - Is the candidate able to communicate properly with other candidate while adjusting base level using spirit level?
- How the candidate escalated deviations to the seniors/assessor. 10 Marks
 - If the candidate reduced the height of scaffold due to some obstructions
- How the candidate addresses and reports problems. 15 Marks
 - If the candidate noticed damaged tool or material (**Compulsory:** assessor to provide damaged tool or material to the candidate to assess this skill)
 - If candidate noticed shortage of materials while performing task (Assessor to provide less quantity of coupler to assess this skill)
 - If trainee facing problem with shortage of working space
 - If trainee found lack of illumination while performing the task.
- How a person receive and follow the instructions given by seniors/assessor. 15 Marks
 - Is candidate able to follow class room disciplines?
 - Is candidate able to follow instructions given by assessor?
- How a person seeks clarifications and resolves the issues raised during performing the task. 15 Marks
 - Is the candidate able to clarify if the information given for particular task is insufficient?
- How a person works as a team, like, proper cooperation, timely handing over tools and materials, helping and advising team members, etc. 15 Marks
 - Is the candidate able to take support of team member? (While shifting scaffold materials from the yard, while checking measurements and alignments etc.)
 - Is the candidate able to hand over the tools timely to other candidate? (For example Spirit level, spanner, PPE's, measurement tape etc.)



B. Multiple choice questions

Total Marks: 12
Duration: 10 Minutes

(Preferably written but oral is also permitted)

1. What is the first step to be followed by a scaffolder before engaging with scaffold erection work? 2 Marks
 - a. **Understand the scope of work from supervisor**
 - b. Arrange materials by random calculation
 - c. Engage helpers to erect the scaffold
 - d. Start erection work without getting work permit

2. What is supposed to be done if the material gets damaged while executing the task? 2 Marks
 - a. Replace the material without informing supervisor
 - b. Put blame on other team member
 - c. **Inform supervisor about the damage**
 - d. Dispose the damaged equipment without informing anybody

3. Who is responsible to follow the objectives, goals, quality polices & standard procedures set by the management? 2 Marks
 - a. Workers
 - b. Managers
 - c. Engineers
 - d. **All the above**

4. What should be done if there is material shortage while executing a task? 2 Marks
 - a. Inform to the higher management
 - b. **Report to senior and contact store keeper for arrangement.**
 - c. Use damaged materials and complete the task
 - d. Borrow/Adjust the material from co-worker

5. Which of the following is the key pillar for a team? 2 Marks
 - a. **Cooperation**
 - b. Not respecting each other
 - c. Aiming different goal
 - d. Not adhering the company policies

6. Which of the following is not the reason to develop conflict within the team? 2 Marks
 - a. Not respecting others opinion
 - b. **Unity**
 - c. Egoism
 - d. Rumours



C. Viva questions

Total Marks: 08

Duration: 3 Minutes

(These questions could be asked during practical observation)

1. What are the benefits of receiving feedback from the reporting senior? 2 Marks
Possible answers
 - a. Know the quality of work executed.
 - b. Learn from the mistakes, if any.
 - c. Improve the skill set from past experience of reporting senior.
 - d. Aware of latest technology from reporting senior.
 - e. Support from and mutual understanding with reporting senior.
 - f. Helps to get rewards and salary hike.

2. What are the requirements of good communication skill? 3 Marks
Possible answers
 - a. Speak clearly with known language
 - b. Listening to the person
 - c. Make positive facial expressions
 - d. Making eye contact while communicating with people
 - e. Ask for the clarification

3. What are the benefits of discussing work related information's with colleagues? 3 Marks
Possible answers
 - a. Understanding the timeline and targets.
 - b. Understand the scope of work.
 - c. More ideas by knowledge sharing.
 - d. Helps team member to achieve their targets.
 - e. Avoid conflicts within the team.
 - f. Build good working environment



7.4 CON/N8002: Plan and organize work to meet expected outcomes

A. Practical questions

Total Marks: 80

Assessor is required to assess this NOS bases on his/her observation skill and knowledge to observe, ask questions and assess trainee while performing all core NOS's during the practical task for following points:

- How a person understand the targets and time line set by supervisor. 15 Marks
 - Is candidate able understand the target clearly? (**compulsory**) (Ex. Type of scaffold, component details, duration for each task etc.)
- How a person plan activities as per schedule and sequence. 15 Marks
 - Is candidate able to explain the plan and sequence before performing any core task? (**Compulsory**: assessor to ask candidate to explain the sequence of task (for any core task)
- How a person provide guidance to the subordinates to obtain desired outcome. 15 Marks
 - Is candidate able to guide other candidate while working together? (Ex. While checking scaffold level using spirit level, while shifting material from ground to scaffold platform etc.)
- How a person arrange required resources prior to commencement of work. 15 Marks
 - Is candidate able to arrange right quantity of material? (Ex. Quantity of scaffold materials, number of helper, tools etc.)
- How a person utilize resources effectively during performing the task. 10 Marks
 - Is candidate able to use the scaffold materials, tools and man power within the allowable limit?
 - Is able to engage helpers properly?
- How a person adhere to the standard instructions while performing the task. 10 Marks
 - Is candidate able to follow standard instructions? (Ex. Class room discipline, using proper PPE's, care on tools, materials and surrounding environments etc.)



B. Multiple choice questions

Total Marks: 12
Duration: 10 Minutes

(Preferably written but oral is also permitted)

1. Which of the following is the basic requirement of preparing work schedule? 2 Marks
 - a. To measure the quantity of work done
 - b. To understand the timelines**
 - c. To assess the quality of work done
 - d. To understand the sequence of work

2. Which of the following is the incorrect statement? 2 Marks
 - a. Proper housekeeping increases the quality of work
 - b. Housekeeping is the part and parcel of any activity
 - c. Housekeeping leads waste of time and cost**
 - d. Housekeeping should be ensured prior and post completion of work

3. Which of the following should be referred while erecting mobile tower scaffold? 2 Marks
 - a. Manufacturer instruction**
 - b. Self-instructions
 - c. General instructions
 - d. Workers instructions

4. Which of the following statement you feel correct while engaging tools? 2 Marks
 - a. Engage damaged tool to save cost
 - b. Always engage new and branded tools
 - c. Engage right tool for the right job**
 - d. Engage only used tool

5. Who will assist a system scaffolder? 2 Marks
 - a. Trained scaffold helper**
 - b. Unskilled helper
 - c. Assistant mason
 - d. Assistant bar bender

6. 1 cubic meter is equal to _____? 2 Marks
 - a. 32.31 cubic feet
 - b. 35.31 cubic feet**
 - c. 36.31 cubic feet
 - d. 34.31 cubic feet



C. Viva questions

Total Marks: 08
Duration: 5 Minutes

(These questions could be asked during practical observation)

1. What are the contents of a method statement? 2 Marks
Possible answers:
 - a. Details of the risks involved.
 - b. A step-by-step description of how the task is to be undertaken.
 - c. What needs to be done?
 - d. The order in which the task will be carried out.
 - e. What plant or equipment is required?
 - f. Who will complete the task?
 - g. Who will supervise the task?
 - h. Where will the task take place?
 - i. When will the task take place?
 - j. Precautions that must be taken before the task is started.
 - k. What to do if things go wrong?
 - l. Knowledge on anticipated risks

2. What are the steps to be followed for risk assessment? 2 Marks
Possible answers:
 - a. Step 1: Look for the hazard.
 - b. Step 2: Decide who might be harmed and how.
 - c. Step 3: Evaluate the risks and decide whether the existing procedures are adequate or not.
 - d. Step 4: Record or report findings.
 - e. Step 5: Review and revise.

3. What must be included in the briefing of the subordinates before start of the work? 2 Marks
Possible answers:
 - a. Content/ scope of work
 - b. Work practices
 - c. Safety hazards
 - d. Use of PPEs
 - e. Special precautions

4. How a worker can reduce the wastages while performing a task? 2 Marks
Possible answers:
 - a. Engage right tool for the right job
 - b. Optimum utilization of resources
 - c. Use good quality of materials
 - d. Engage trained manpower for the right job
 - e. Follow standard procedure for handling tools, materials and equipment.
 - f. Follow safe operating procedures and instructions
 - g. Ensure accuracy while measuring and marking



7.5 CON/N9001: Work according to personal health, safety and environment protocol at construction site

A. Practical questions

Total Marks: 80

Duration: 30 Minutes

Assessor is required to assess this NOS bases on his/her observation skill and knowledge to observe, ask questions and assess trainee while performing all core NOS's during the practical task for following points (If particular outcome is not covered in any of the core NOS's, assessor need to insist candidate to perform the activities):

- How person identify hazards, risks in site and report to seniors 8 Marks
 - Is candidate able to escalate hazards, risks to the senior? (Ex. Inadequate illumination, co-worker working at height without using safety harness, high tension overhead cable etc.)
- How a person respond to emergency and evacuation procedures in case of accidents, fires. 8 Marks
 - Is candidate able to explain the emergency evacuation procedure in case of different emergencies? (Ex. Fire, building collapse, flood etc.)
- Use of personal protective equipment listed below (**Compulsory**). 30 Marks
(Use of PPEs specified at NOS is mandatory for all the assessee and candidate should score 100% mark in this particular outcome.)
 - Is candidate able to demonstrate the use of all personal protective equipment's? (Ex. Helmet, harness, safety goggles, safety shoes, hand gloves, gum boot, earplug, dust mask, reflective jacket, shoulder pack, etc.)
 - Is the candidate able to list PPE's as per the particular task? (Ex. While shifting scaffold material, while erecting scaffold etc.)
- Identification and operation procedure for fire extinguishers. 8 Marks
 - Is candidate able to identify different types of fire extinguishers? (Ex. DCP, CO2, Foam etc.).
 - Is candidate able to demonstrate the operating procedure for different types of fire extinguishers? (Assessor to insist candidate to perform this task)
- Handling technique of tools, materials and equipment. 8 Marks
 - Is candidate able to explain the handling techniques of tools, materials and equipment? (Ex. shifting scaffold materials horizontally and vertically etc.)
- Adhere to safe working practices while working at height, using tools and equipment, material shifting, working with hazardous materials etc. 9 Marks
 - Is candidate able to follow precautionary measures in disposal of harmful chemicals?
- Ensure cleaning, housekeeping and waste disposal. 9 Marks
 - Is candidate able to plan housekeeping while performing the task?
 - Is candidate able explain the method to shift waste to designated yard?



B. Multiple choice questions

Total Marks: 12
Duration: 10 Minutes

(Preferably written but oral is also permitted)

1. Which of the following is an unsafe act of a worker? 2 Marks
 - a. **Working without PPE**
 - b. Adhering to the instruction
 - c. Helping subordinate
 - d. Using correct tools

2. What is the basic function of an emergency response team? 1 Mark
 - a. **Helping to evacuate people**
 - b. Fire fighting
 - c. Guiding people to extinguish fire
 - d. Reporting to the customer about the incident

3. What is the best method to obtain information about health and safety regulations? 2 Marks
 - a. Ask site visitors
 - b. Get it from the management staff
 - c. **Attend Health and Safety campaigns**
 - d. From the manufacturer's handbooks

4. Identify the item from the image given below. 1 Mark



- a. Half body harness
 - b. Half body apron
 - c. **Full body harness**
 - d. Half body apron

5. What are the three basic requirements of a fire? 2 Marks
 - a. Fuel, heat and hydrogen
 - b. **Fuel, heat and oxygen**
 - c. Fuel, heat and Sulphur
 - d. Fuel, heat and nitrogen

6. Which of the following basic emergency equipment used while working in a confined space? 2 Marks
 - a. **Breathing apparatus**
 - b. Emergency lamp
 - c. Sun safety glass
 - d. Fire extinguisher



7. Which of the following is the best method to reduce material wastage? 1 Marks
- a. Use damaged materials
 - b. Use always branded materials
 - c. Mix waste materials with new materials
 - d. **Take care while handling materials**
8. What should be done after assembling in the safe assembly point? 1 Marks
- a. **Do not re-enter the site until instructions are given**
 - b. Re-enter the site and continue to work
 - c. Leave the site without informing senior
 - d. Join emergency rescue team and help them to extinguish fire



C. Viva questions

Total Marks: 08

Duration: 4 Minutes

(These questions could be asked during practical observation)

1. What are the benefits of attending health and safety campaigns? 2 Marks

Possible answers

- a. Understand the requirement of health and safety.
- b. Know about common types of hazards.
- c. Risk assessment and risk control.
- d. Know how to use PPE.
- e. Know about the common terms and signage used in safety.
- f. Know about the company standards on safety.
- g. Know about safe working practices.
- h. Know emergency response procedure

2. State the symbols and their meaning used in safety signage? 2 Marks

Possible answers

- a. Square/ rectangle – Emergency and information sign.
- b. Circle – Mandatory or things to do.
- c. Triangle – Warning or caution.
- d. Circle with cross cut – prohibition or things not to do.

3. State the fire classifications 2 Marks

Possible answers

- a. Class A fire—fire caused due to flammable solids.
- b. Class B fire—fire caused due to flammable liquids.
- c. Class C fire—fire caused due to flammable gases.
- d. Class D fire—fire caused due to combustible metals.
- e. Class E fire—fire caused due to electrical power.

4. List safe techniques for material handling 2 Marks

Possible answers

- a. Assess the load before handling
- b. Bend your knees and whilst keeping your back straight
- c. Keep the head up while handling material.
- d. Do not turn your body while handling material
- e. Use both hand to lift the material.
- f. Wear appropriate safety gears while handling material



8. 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)

Assessor to affix photographs of the practical output. (Photo should be taken along with the Candidate, Assessor and training coordinator with time and date)

Trainee's signature:

Trainee's name (please print):

Assessor's signature:

Assessor's name (please print):

Centre Head's seal and signature:



9. Assessment summary

Assessor's comments

.....

.....

.....

This is to confirm that the trainee has undertaken the assessment for the job role of Scaffolder - System.

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: _____



10. Assessment Summary Sheets

ASSESSMENT SUMMARY Qualification Pack - Scaffolder - System Level- 4																		
Training Provider :								Testing Centre										
Affiliation No.								Accreditation No.										
Candidate Detail		Roll No. : Batch: Name:		Roll No. : Batch: Name:		Roll No. : Batch: Name:		Roll No. : Batch: Name:		Roll No. : Batch: Name:								
Assessment Summary :																		
NOS No.	Allotted (Marks)			Marks Obtained			Marks Obtained			Marks Obtained			Marks Obtained			Marks Obtained		
	Skill (Practical)	Knowledge		Skill (Practical)	Knowledge		Skill (Practical)	Knowledge		Skill (Practical)	Knowledge		Skill (Practical)	Knowledge		Skill (Practical)	Knowledge	
		Theory	Viva		Theory	Viva		Theory	Viva		Theory	Viva		Theory	Viva		Theory	Viva
CON/N0351	80	12	8															
CON/N0352	80	12	8															
CON/N8001	80	12	8															
CON/N8002	80	12	8															
CON/N9001	80	12	8															
Total : 800	400	12	8															
Percentage weightage	80%	12%	8%															
Minimum pass % to qualify	70%	70%																
				Result : Passed/Failed			Result : Passed/Failed			Result : Passed/Failed			Result : Passed/Failed			Result : Passed/Failed		
Assessors Name:						Signature :												
Assessing Body Representative Name:						Signature :												
Assessment Agency :						Date												





	1. Roll No. & Name:	4. Roll No. & Name:						
	2. Roll No. & Name:	5. Roll No. & Name:						
	3. Roll No. & Name:	6. Roll No. & Name:						
Ref.QP Code- CON/Q0305	Assessment Sheet for NOS No. - CON/N0351		Marks Obtained by candidates					
QP & NOS Detail	Skills (Total Marks = 80)	Allocated Marks	1	2	3	4	5	6
QP : Scaffolder - System	1. Calculate the quantity of materials and tools required for double layer tube and coupler scaffold	8						
	2. Calculate the quantity of material required for H frame system scaffold	8						
CON/N0351: Erect and dismantle common customized system scaffolds	3. Prepare the area where scaffold is to be erected	10						
	4. Carryout erection of double layer scaffold using pipes and couplers	15						
	5. Carryout erection of H frame system scaffold	15						
	6. Carryout dismantling of tube and coupler scaffold	12						
	7. Carryout dismantling of H frame system scaffold	12						
	Total Marks	80						
	Knowledge -MCQ (Total Marks =12)							
Tolerance Limit • Bay length : ±50 mm • Bay width : ±50 mm • Verticality of standards (in 5 meter): ±20mm • Ladder placing : +/- 15 degree • lift height : +/- 100mm • Stability of ties: rigid (no shake) Gap between scaffold board: No gap	1. Knowledge about scaffold terminology	3						
	2. Knowledge about the specification for steel tubes used in tubular scaffolding	1						
	3. knowledge about the other name for independent scaffold	1						
	4. Knowledge about the low duty scaffold	2						
	5. Knowledge about the working platform	1						
	6. Knowledge about the installation of platform	1						
	7. Knowledge about the dismantling method	1						
	8. Knowledge about the mean diameter of the bamboo	1						
	9. Knowledge about the knot used to join two ropes	1						
	Total Marks	12						
Knowledge Viva (Total Marks = 08)								
	1. Knowledge about different types of couplers used in scaffolding	2						
	2. Knowledge about the common causes for accident while using a ladder	2						
	3. knowledge about common customised system scaffolds	2						
	4. knowledge about the pre checks to be ensured before starting scaffold dismantling	2						
	Total Marks	8						
Batch No. & TP:	Assessors Name:	Assessors Signature :						
Assessors Reg. No. :	Assessors Body(AB) Representative Name:	AB Representative Signature :						
		Date :						
Assessment Agency :								





	1. Roll No. & Name:	4. Roll No. & Name:						
	2. Roll No. & Name:	5. Roll No. & Name:						
	3. Roll No. & Name:	6. Roll No. & Name:						
Ref.QP Code- CON/Q0305	Assessment Sheet for NOS No. - CON/N0352		Marks Obtained by candidates					
QP & NOS Detail	Skills (Total Marks = 80)	Allotted Marks	1	2	3	4	5	6
QP : Scaffolder - System	1. Calculate the quantity of material required for staircase tower scaffold	8						
	2. Prepare the area where scaffold is to be erected	12						
CON/N0352: Erect and dismantle staircase tower and mobile tower scaffold	3. Carryout erection of staircase tower scaffold using required materials	20						
	4. Carryout dismantling of staircase tower scaffold.	15						
	5. Erect aluminium mobile tower scaffold platform	15						
	6. Dismantle aluminium mobile tower scaffold platform	10						
	Total Marks	80						
	Knowledge -MCQ (Total Marks =12)							
	1. Knowledge about scaffold component	2						
	2. Knowledge about maximum angle of ascent for scaffold stairways	2						
	3. Knowledge about the terminology used in scaffolding	1						
	4. Knowledge about thickness of a wooden sole board	1						
	5. Knowledge about the tools	1						
	6.Knowledge about component used to avoid overturning of mobile towers	2						
	7.Knowledge about castor	1						
	8.Knowledge about the maintenance of scaffold components	2						
Total Marks	12							
	Knowledge Viva (Total Marks = 08)							
	1.Knowledge about the components of compact stair tower	2						
	2. Knowledge about requirements of scaffold stairways as per IS standard	2						
	3. Knowledge about recommended safe working practices for mobile tower scaffold	2						
	4. Knowledge about the various types of staircase towers	2						
Total Marks	8							
Batch No. & TP:								
Assessors Reg. No. :			Assessors Signature :					
			AB Representative Signature :					
Assessment Agency :	Assessors Name:		Date :					
	Assessors Body(AB) Representative Name:							



	1. Roll No. & Name:	4. Roll No. & Name:										
	2. Roll No. & Name:	5. Roll No. & Name:										
	3. Roll No. & Name:	6. Roll No. & Name:										
Ref.QP Code- CON/Q0305	Assessment Sheet for NOS No. - CON/N8001					Marks Obtained by candidates						
QP & NOS Detail	Skills (Total Marks = 80)					Allo tted Marks	1	2	3	4	5	6
QP : Scaffolder - System	1. How the candidate communicate work related information to team member or to assessor	10										
	2. How the candidate escalate deviations to the seniors/assessor	10										
CON/N8001: Work effectively in a team to deliver desired results at the workplace	3. How the candidate address and report problems	15										
	4. How a person receive and follow the instructions given by seniors/assessor	15										
	5. How a person seek clarifications and resolve the issues raised during performing the task	15										
	6. How a person work as team like, proper cooperation, timely handing over tools and materials, helping and advising team members	15										
	Total Marks	80										
	Knowledge -MCQ (Total Marks =12)											
	1. Knowledge about first step to be followed by a scaffolder before engaging with scaffold erection work	2										
	2. Knowledge about the reporting system	2										
	3. Knowledge about reporting senior about the damage	2										
	4. Knowledge about the description of work and technique to be used	2										
	5. Knowledge about the team coordination	2										
	6. Knowledge about the negatives of team	2										
	Total Marks	12										
Knowledge Viva (Total Marks = 08)												
	1.Knowledge about the benefits of receiving feedback from the reporting senior	2										
	2.Knowledge about requirements of good communication skill	3										
	4.Knowledge about the benefits of discussing work related information's with colleagues	3										
	Total Marks	8										
Batch No. & TP:												
Assessors Reg. No. :	Assessors Name:					Assessors Signature :						
	Assessors Body(AB) Representative Name:					AB Representative Signature :						
Assessment Agency :					Date :							



	1. Roll No. & Name:	4. Roll No. & Name:						
	2. Roll No. & Name:	5. Roll No. & Name:						
	3. Roll No. & Name:	6. Roll No. & Name:						
Ref.QP Code- CON/Q0305	Assessment Sheet for NOS No. - CON/N8002			Marks Obtained by candidates				
QP & NOS Detail	Skills (Total Marks = 80)	Allo tted Marks	1	2	3	4	5	6
QP : Scaffolder - System	1. Is candidate able understand the target clearly	15						
	2. Is candidate able to explain the plan and sequence before performing any core task	15						
CON/N8002: Plan and organize work to meet expected outcomes	3. Is candidate able to guide other candidate while working together in a team	15						
	4. Is candidate able to arrange right quantity of material	15						
	5. Is candidate utilize resources effectively during performing the task	10						
	6. Is candidate adhering to the standard instructions while performing the task	10						
	Total Marks	80						
	Knowledge -MCQ (Total Marks =12)							
	1. Knowledge about basic requirement of preparing work schedule	2						
	2. Knowledge about the housekeeping	2						
	3. Knowledges about erecting mobile tower scaffold	2						
	4. Knowledge about the utilization of tools	2						
	5. Knowledge about the utilization of manpower	2						
	6. Knowledge about the unit of measurement for scaffolding work	2						
	Total Marks	12						
Knowledge Viva (Total Marks = 08)								
	1. Knowledge about the contents of a method statement	2						
	2. Knowledge about steps to be followed for risk assessment	2						
	3. Knowledge about briefing of the subordinates before start of the work	2						
	4. Knowledges about how to reduce the wastages while performing a task	2						
	Total Marks	8						
Batch No. & TP:								
Assessors Reg. No. :	Assessors Name:			Assessors Signature :				
	Assessors Body(AB) Representative Name:			AB Representative Signature :				
Assessment Agency :			Date :					



	1. Roll No. & Name:	4. Roll No. & Name:									
	2. Roll No. & Name:	5. Roll No. & Name:									
	3. Roll No. & Name:	6. Roll No. & Name:									
Ref.QP Code- CON/Q0305	Assessment Sheet for NOS No. - CON/N9001				Marks Obtained by candidates						
QP & NOS Detail	Skills (Total Marks = 80)				Allo tted Marks	1	2	3	4	5	6
QP : Scaffolder - System	1. How person identify hazards, risks in site and report to seniors				8						
	2. How a person respond to emergency and evacuation procedures in case of accidents, fires				8						
CON/N9001: Work according to personal health, safety and environment protocol at construction site	3. Use of personal protective equipment listed below (Compulsory)				30						
	4. Identification and operation procedure for fire extinguishers				8						
	5. Handling technique of tools, materials and equipment				8						
	6. Adhere to safe working practices while working at height, using tools and equipment, material shifting, working with hazardous materials etc.				9						
	7. Ensure cleaning, housekeeping and waste disposal				9						
	Total Marks				80						
	Knowledge -MCQ (Total Marks =12)										
	1. Knowledge about unsafe act of a worker				2						
	2. Knowledge about basic function of an emergency response team				2						
	3. Knowledge about safety training				1						
4. Knowledge about PPE				1							
5. Knowledge about the three basic requirements of a fire				2							
6. Knowledge about the emergency equipment				2							
7. Knowledge about best method to reduce material wastage				1							
8. Knowledge about safe evacuation procedure				1							
Total Marks				12							
Knowledge Viva (Total Marks = 08)											
1. Knowledge about the benefits of attending health and safety campaigns				2							
2. Knowledge about the symbols and their meaning used in safety signage				2							
3. Knowledge about the type's fire extinguishers				2							
4. Knowledge about safe techniques for material handling				2							
Total Marks				8							
Batch No. & TP:											
Assessors Reg. No. :		Assessors Name:				Assessors Signature :					
		Assessors Body(AB) Representative Name:				AB Representative Signature :					
Assessment Agency :		Date :									



11. Annexure:

General tolerance related to the practical task N0351 and N0352

Scaffolder - System				
1. Learner Name: _____		2. Enrolment No: _____		3. Centre: _____
S.No	Description	Permitted tolerance	Observed variation	Assessments
General tolerance limit for scaffold erection				
1.	Bay length	+/- 50mm		
2.	Bay width	+/- 50mm		
3.	Verticality of standards (In 5meter)	+/- 20mm		
4.	Ladder placing (75 degree from horizontal)	+/- 15 degree		
5.	Lift height	+/- 100mm		
6.	Stability of ties	Rigid (No shake)		
7.	Gap between scaffold board	No gap		
Assessor Comment:				
Assessor Name		Assessor Signature		