

## Scaffolder System

### Theory Paper

#### Assessment for Certification, Level 4

**Total Marks: 100 marks**

**Time: 90 min**

|                           |                   |
|---------------------------|-------------------|
| <b>Qualification Pack</b> | Scaffolder System |
| <b>Reference ID</b>       | CON/Q0305         |
| <b>NSQF Level</b>         | 4                 |
| <b>Sector</b>             | Construction      |
| <b>Occupation</b>         | Scaffolding       |

| <b>CANDIDATE'S DETAILS (Fill in capital letters only)</b> |            |               |
|---|------------|---------------|
| CANDIDATE'S NAME  |            |               |
| CANDIDATE'S FATHER NAME                                   |            |               |
| SDMS ENROLMENT ID   |            | AADHAR NUMBER |
| BATCH ID  |            |               |
| TRAINING CENTER NAME                                      |            | LOCATION      |
| TRAINER NAME  | SIGNATURE: |               |
| ASSESSOR NAME   | SIGNATURE: |               |
| CANDIDATE'S SIGNATURE                                     |            | DATE          |

**TP/ TC stamp with signature:**

**Read the instruction carefully before starting:**

- The assessment comprises of Theory, Practical.
- The theory section has 5 parts, consisting 41 numbers of questions.
- Write your name, aadhar number, father name, signature in the designated space.
- Use only Blue/ Black Ball point pens to fill/ answer the question paper.
- Read the questions carefully before answering.
- Put a tick mark (✓) against the right option.
- The tick mark (✓) should only be in the box which you want to mark as an answer.
- Select the most appropriate answer for multiple choice questions.

## Theory Question Paper

**CON/N0351 Erect and dismantle common customized system scaffolds.**

### Multiple choice questions

1. During which construction activity, scaffolding is not used? 2 Marks
- Installing rebars
  - Plastering
  - Painting
  - Flooring

2. \_\_\_\_\_ are horizontal members normally in the direction of the smaller dimension of the working scaffold. 2 Marks
- Transoms
  - Ledgers
  - Tubes
  - Couplers

3. The following image represents which type of Scaffolding system? 2 Marks

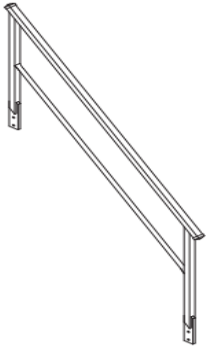


- Cup lock scaffolding
  - Ring lock scaffolding
  - Rigid tube scaffolding
  - Tube and coupler scaffolding
4. Why bracing is provided in the scaffolds? 2 Marks
- To beautify its appearance
  - To eliminate any tendency for the scaffold to distort or sway
  - To eliminate any possibility of the fall of construction materials from the scaffold
  - None

5. A timber or other member used to distribute the load from base plate to the ground is called \_\_\_\_\_? 2 Marks
- 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. 2 Marks
- 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 \_\_\_\_\_? 2 Marks
- a. Reveal tie
  - b. Tie tube
  - c. Reveal pin
  - d. 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. 2 Marks
- a. 300 mm
  - b. 600 mm
  - c. 200 mm
  - d. 100 mm
10. Which of the following statement is incorrect while dismantling a scaffold? 2 Marks
- a. First, sole board should be removed.
  - b. Clear the platform of all loose material before any dismantling procedure starts.
  - c. Inspect the component and report if any damages
  - d. After dismantling the scaffolding, store and stack the materials in order.

**CON/N0352 Erect and dismantle staircase tower and mobile tower scaffold.**

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



- a. Stair rails
- b. Stair Stringer
- c. Exit handrail
- d. Landing rail

12. 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

13. \_\_\_\_\_ must be fitted to prevent materials falling from access tower.

2 Marks

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

14. Scaffold exceeding \_\_\_\_ height, stairways are the safest means of access.

2 Marks

- a. 10 meters
- b. 4 meters
- c. 2 meters
- d. 8 meters

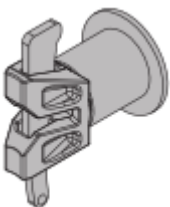
15. At which position “Caster” is fitted to the scaffold?

2 Marks

- a. At the top of the standard
- b. At the bottom of the standard
- c. At the top of the hand rail
- d. At the bottom of the hand rail

16. Identify the scaffold component from the image below?

2 Marks



- a. Telescopic guard rail
- b. Unit frame
- c. Railing Holder

d. Standard

17. 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

18. 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

19. A toe board shall be erected along the edge of platforms above lower levels to \_\_\_\_\_? 2 Marks

- a. Provide strength to the scaffold
- b. prevent any injury to the toe of the workers
- c. prevent worker from falling off the platform
- d. protect tools, materials, or equipment falling from a scaffold

20. 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

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

21. Team occur when a number of people have \_\_\_\_\_ and recognize that their personal success is dependent on the success of other? 3 marks

- a) Same manager
- b) Similar jobs
- c) A common goal
- d) A shared work environment

22. What is the first step to be followed by a scaffolder before engaging with scaffold erection work? 3 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

23. What will happen if you do not interact with your co- worker? 3 marks

- a) De-motivation
- b) Encouragement
- c) Excitement
- d) None

24. Team creativity can be promoted in which of the following ways? 3 marks
- a) Establishing a competitive environment to promote creative ideas
  - b) By reporting to the supervisor
  - c) Stressing deadlines to encourage intensity and focus
  - d) None
25. What will you do in case you are not well versed with some critical procedure in your work? 3 marks
- a) Stay quiet and finish it somehow
  - b) Ask for help from the procedure expert
  - c) Decline to work
  - d) Any one of these
26. 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 another team member
  - c) Inform supervisor about the damage
  - d) Dispose the damaged equipment without informing anybody
27. Teamwork in an organization leads to organizational: 3 marks
- a) Empowerment
  - b) Weakness
  - c) Economy fall
  - d) Skills

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

28. Which of the following is the basic requirement of preparing work schedule? 3 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
29. Sharing work is a good idea when? 3 marks
- a) People are nice to you
  - b) When you take in other's skill set into consideration
  - c) When you are feeling lazy
  - d) When you are sick
30. Which of the following should be referred while erecting mobile tower scaffold? 3 marks
- a. Manufacturer instruction
  - b. Self-instructions
  - c. General instructions
  - d. Workers instructions
31. Which among the following is/are required when setting a work schedule? 3 marks

- a) Resource required
- b) Time required for completing per task component
- c) Both of these
- d) None

32. Which among these resources should be estimated before starting the work? 3 marks

- a) Quantity of materials
- b) Leaves
- c) Wastage of materials
- d) All of these

33. Who will assist a system scaffolder? 3 marks

- a) Trained scaffold helper
- b) Unskilled helper
- c) Assistant mason
- d) Assistant bar bender

34. Work done should be of high quality despite constraints? 2 marks

- a) No
- b) yes
- c) impossible
- d) depends on manager

**CON/N9001: Work effectively to personal health, safety and environment protocol at construction site.**

35. What should you do in case the fire alarm start ringing? 3 marks

- a) Keep working
- b) Immediately stop the work and evacuate
- c) Create a panic situation
- d) None

36. Identify the unsafe working practice amongst the following? 3 marks

- a) Welding without a mask
- b) Walking bare feet at construction site
- c) Using wires with no insulation
- d) All of these

37. Identify the sign shown below: 3 marks



- a) Not drinking water
- b) Close the tap
- c) Water not permitted
- d) Do not touch

38. Identify the item from the image given below.

2 Marks



- a) Half body harness
- b) Half body apron
- c) Full body harness
- d) Full body apron

39. What should be done after assembling in the safe assembly point?

3 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

40. Which of the following basic emergency equipment used while working in a confined space?

3 Marks

- a) Breathing apparatus
- b) Emergency lamp
- c) Sun safety glass
- d) Fire extinguisher

41. What are the three basic requirements of a fire?

3 marks

- a) Fuel, heat and hydrogen
- b) Fuel, heat and Sulphur
- c) Fuel, heat and nitrogen
- d) Fuel, heat and oxygen