

**Practical Question Paper**  
**Job role: Scaffolding System (CON/Q0305)**  
**Level: 4**

**Total Marks: 400**

**Time: 5 hours 30 min**

**Candidate's Name:**

**Roll No:**

**CON/NO351 Erect and dismantle common customized system scaffolds**

Task to be performed by team of at least 4 members.

**Requirement for the task:-**

1. Question papers (both theory and practical) and answer sheets.
2. Scaffolding Systems (Wedge lock/ ring lock/ tube & coupler/ frame scaffolding system, staircase tower and mobile tower scaffold).
3. Tool box.

**Infrastructure required:-**

1. Class room (capacity: 30 students).
2. Workshop for practical assessment.
3. Toilet (separate for gents and ladies).
4. Safety department (having PPE, fire extinguishers, first aid kit etc.).
5. Power supply (3-phase and single phase)

Sl.No:	Practical skill assessment question	Marks	Duration
1	Estimate the quantity of materials and tools required for double layer tube and coupler scaffold as per the fig.: 1.	8	<b><u>150 min</u></b> <b><u>(2hrs 30 min)</u></b>
2	Estimate the quantity of material required for H frame system scaffold as per the fig.: 2.	8	
3	Prepare the area where scaffold is to be erected (for both fig.:1 and fig.:2).	10	
4	Carryout erection of double layer scaffold using pipe and couplers as per the fig.: 1. Also carryout the dismantling of the same after the instruction provided by the assessor.	27	
5	Carryout erection of H frame system scaffold as per the fig.: 2. Also carryout the dismantling of the same after the instruction provided by the assessor.	27	

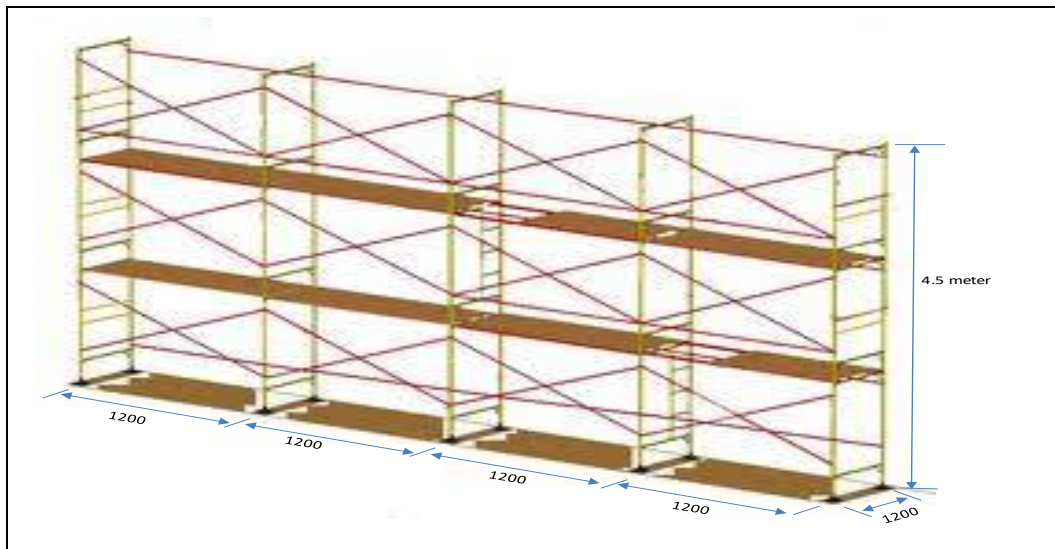
**Total marks** 80

**Total duration** 180 min

**Fig.: 1** -Carryout double layer scaffold using pipe and coupler as per the following drawing.



**Fig.: 2** -Carryout H-frame system scaffolding as per the following drawing.



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

**CON/NO352 Erect and dismantle staircase tower and mobile tower scaffold.****Task to be performed by team of at least 4 members.****Requirement for the task:-**

1. Question papers (both theory and practical) and answer sheets.
2. Scaffolding Systems (Wedge lock/ ring lock/ tube & coupler/ frame scaffolding system, staircase tower and mobile tower scaffold).
3. Tool box.

**Infrastructure required:-**

1. Class room (capacity: 30 students).
2. Workshop for practical assessment.
3. Toilet (separate for gents and ladies).
4. Safety department (having PPE, fire extinguishers, first aid kit etc.).
5. Power supply (3-phase and single phase)

Sl.No:	Practical skill assessment question	Marks	Duration
1	Estimate the quantity of material required for staircase tower scaffold as per fig.: 3.	8	<b>150 min (2.5 hrs)</b>
2	Prepare the area where scaffold is to be erected.	12	
3	Carryout erection of staircase tower scaffold using required materials as per fig.: 3. Also carryout dismantling of the same after the instructions provided by the assessor.	30	
4	Erect aluminium mobile tower scaffold platform as per fig.: 4. Also carryout dismantling of the same after the instructions provided by the assessor.	30	

**Total marks** 80**Total duration** 150 min

Fig.: 3 - Carryout erection of staircase tower scaffold as per the following drawing.

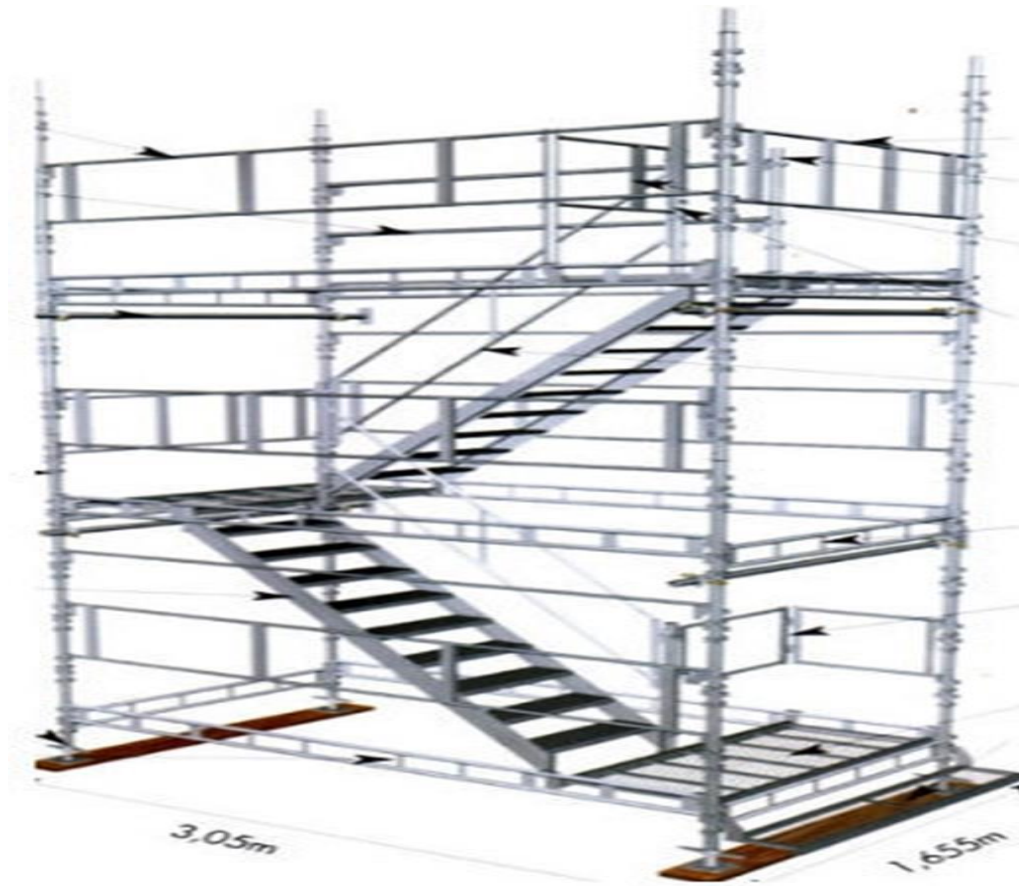
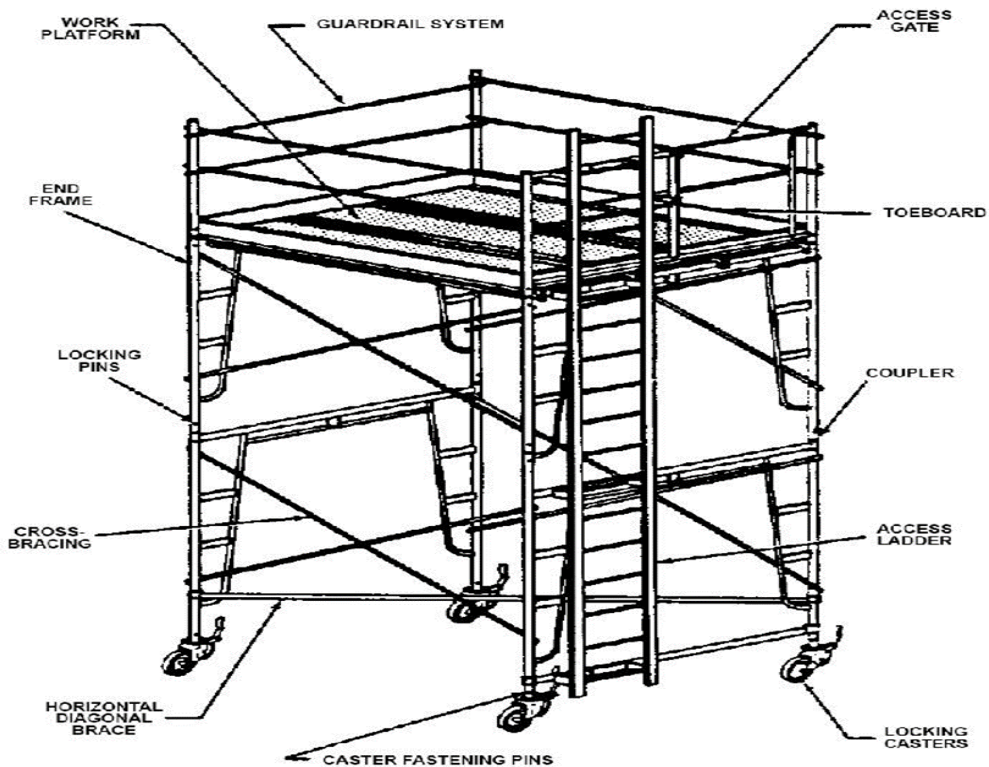


Fig.: 4 - Carryout erection of mobile tower scaffold as per the drawing



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

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

Based on the performance of the task under NOS: N0351/0352

<b>Sl. No.</b>	<b>Practical skill assessment question</b>	<b>Marks</b>	<b>Duration</b>
1	Observe the candidate's cooperation within the team in terms of willingness to share the task responsibility.	10	Simultaneous to the duration of task performed as per N0351/352.
2	Observe how the candidate escalate deviations to the seniors/ assessors while performing the given task.	15	
3	Observe the candidate's approach towards addressing and reporting the problems faced while performing the given task.	15	
4	Check the alertness/attentiveness of trainee for instructions by assessor.	10	
5	Observe how the candidate seeks clarification and resolve the issues raised during performing the task.	15	
6	Observe the individual's coordination with his teammates in completing task within allotted time.	15	

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**80**

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

Based on the performance of the task under NOS: N0351/0352

<b>Sl. No.</b>	<b>Practical skill assessment question</b>	<b>Marks</b>	<b>Duration</b>
1	How a person understand the target and time line set by supervisor to perform the given task at the construction site?	15	Simultaneous to the duration of task performed as per N0351/352.
2	How a person plan activities as per schedule and sequence while performing the given task?	15	
3	How a person provide guidance to the subordinates to complete the task?	10	
4	How a person arrange required resource prior to commencement of work.	15	
5	How a person utilize required resource prior to commencement of work.	10	
6	How a person adhere to the standard instructions while performing the given task.	15	

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

Based on the performance of the task under NOS: N0351/0352

**Infrastructure required:-**

1. Class room (capacity: 30 students).
2. Workshop for practical assessment.
3. Toilet (separate for gents and ladies).
4. Safety department (having PPE, fire extinguishers, first aid kit etc.).
5. Power supply (3-phase and single phase)

Sl. No.	Practical skill assessment question	Marks	Duration
1	How a person identify hazards or risks at the site and report to their supervisor?	10	Simultaneous to the duration of task performed as per N0351/352 with additional <b>30 mins (.5 hrs)</b>
2	How a person respond to emergency and evacuation procedures in the case of accidents, fire or mock drills?	8	
3	List out all the PPE's and demonstrate any two (its use, parts, type, colour code etc.) used during the given task.	25	
4	List out the PPE's used for other different activities (brick work/ IPS flooring/ plastering)	5	
5	List out different types of fire extinguishers.	3	
6	Demonstrate the operating procedure for the given Fire Extinguishers.	5	
7	Demonstrate how to handle and operate bar cutting machine/ bar bending machine with safety.	8	
8	Demonstrate how to place a ladder against the wall safely.	4	
9	Observe the candidate whether he/she is following precautionary measures in the disposal of harmful waste/ chemicals.	4	
10	Check for the housekeeping and shifting of surplus materials/ waste to the designated yard.	8	