

## HELPER ELECTRICIAN

CON/N0606: Identify and handle different tools, measuring devices and materials relevant to LV electrical works (Marks 20)

1. .... is a piece of electronic test equipment used to determine the presence of electricity in a piece of equipment under test. (Marks 2)

- a. Voltage tester                      Ans
- b. Insulation tape
- c. Wire strippers
- d. Screw Driver

2. Match the following:

(Marks 3)

- i. The instrument used for measuring the resistance of the earth
  - ii. This instrument measures current in a circuit in amperes
  - iii. It is a test tool used to measure two or more electrical values
- j. Digital Multimeter
  - k. Earth Tester
  - l. Tong tester (Clamp meter)

- a. i-k, ii-l, iii-j                      Ans
- b. i-l, ii-k, iii-j
- c. i-l, ii-j, iii-k
- d. i-j, ii-k, iii-l

3. Identify the image? (Marks 2)



- a. Drill machine                      Ans
- b. Hand cutting machine
- c. Hand grinding machine
- d. Hacksaw

4. Identify the image? (Marks 2)



- a. Wattmeter
- b. Digital Multi meter                      Ans
- c. Energy meter
- d. Analog multi meter

5. The device 'Megger' is used for: (Marks 2)

- a. it is used to measure electrical resistance                      Ans
- b. it is used to measure current
- c. it is used to measure voltage
- d. it is used to measure frequency

6. Identify the image? (Marks 2)



- a. Wire stripper                      Ans
- b. Wire cutter
- c. Plier
- d. Hammer



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- a. Shovel Ans
- b. Trowel
- c. Mortar Pan
- d. Spade

17. Before starting marking activity, earth surface should be cleaned by using proper hand tools.  
(Marks 2)

- a. Correct Ans
- b. Incorrect

18. Identify the tool given in the image below? (Marks 3)



- a. Pick axe Ans
- b. Hammer
- c. Screwdriver
- d. Trowel

19. Which of the following equipment will be used to assess earth pits? (Marks 2)

- a. Ladder Ans
- b. Wire
- c. Cable
- d. Wooden pegs

20. Identify the one which is not a marking tool? (Marks 2)

- a. Wooden pegs
- b. Lime, ropes
- c. Line threads
- d. Screwdriver Ans

21. Identify the tools which are used for disposing earth from the excavated pit? (Marks 2)

- a. Spade
- b. Wheel Barrows
- c. Only a
- d. Both a and b Ans

22. .... is a process of increasing soil density and removing air, usually by mechanical means.  
(Marks 3)

- a. Compaction Ans
- b. Backfilling
- c. Erection
- d. Dismantling

CON/N0101: Erect and dismantle temporary scaffold of 3.6 m height (Marks 20)

23. A temporary structure on the outside of a building, made of wooden planks and metal poles, used by workmen while building, repairing, or cleaning the building is known as

(Marks 3)

- a. Scaffolding Ans
- b. Shuttering
- c. Masoning
- d. Re-constructing

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24. Which of the following is the best practice to be followed while erecting and dismantling temporary scaffold of 3.6 m height? (Marks 3)
- Maintain tidiness at work location
  - Clean and stack all components properly after dismantling
  - Check for rigidity, stability and support of erected scaffold
  - All of the above
- Ans

25. Which of the following tool is used to transfer level from reference point? (Marks 3)
- Plumb bob
  - Spirit level
  - Water level
  - None of the above

26. Identify the image of the tool given below? (Marks 3)



- Circular saw
  - Jig saw
  - Hammer
  - Combination wrench
- Ans

27. Which of the following points needs to be consider during dismantling of scaffold? (Marks 2)

- Throw material from height
  - Stack material properly after dismantling
  - Do not use body harness
  - All of the above
- Ans

28. Which of the following is a type of scaffold? (Marks 2)

- Cup Lock scaffold
  - Frame scaffold
  - Only a
  - Both a and b
- Ans

29. The purpose of a ..... is prevent objects, tools and equipment being falling over the edge or being knocked from the scaffolding structure. (Marks 2)

- Toe board
  - Walkways
  - Ladder
  - Guard rails
- Ans

30. Which of the following checks should be conducted on completion of erection of scaffolds? (Marks 2)

- Check on verticality
  - Check on stability
  - Only a
  - Both a and b
- Ans

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

(Marks 20)

31. Which of the following is the best method to review the quality of work done? (Marks 2)
- By taking feedback from manufacturer
  - By taking feedback from top management
  - By taking feedback from juniors
  - By taking feedback from reporting senior
32. What is supposed to be done if tool gets damaged while executing the task? (Marks 2)

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- a. Hide the problem with senior
  - b. Inform to the reporting senior about the damage
  - c. Dispose the damaged tool without informing anybody
  - d. None of the above
33. Which of the following is considered as a negative development for a team (Marks 2)
- a. Cooperation
  - b. Mutual understanding
  - c. Communication gap
  - d. Helping each other
34. What should be done if there is lack of coordination found within the team? (Marks 2)
- a. Do not bother about others opinion and argue with them
  - b. Discuss with team member and resolve the conflict
  - c. Stop the work and protest with the team member
  - d. Escalate it to the management and wait for the action
35. Which of the following is the key function of a team member? (Marks 2)
- a. Coordinating with team members
  - b. Maintaining communication gap with team members
  - c. Always seeking help from team member
  - d. Spreading rumours within the team
36. Team occur when a number of people have \_\_\_\_\_ and recognize that their personal success is dependent on the success of other? (Marks 2)
- a. Same manager
  - b. Similar jobs
  - c. A common goal
  - d. A shared work environment
37. What is the first step to be followed by a scaffolder before engaging with scaffold erection work? (Marks 2)
- 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
38. What will happen if you do not interact with your co- worker? (Marks 2)
- a. De-motivation
  - b. Encouragement
  - c. Excitement
  - d. None
39. Team creativity can be promoted in which of the following ways? (Marks 2)
- 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
40. What will you do in case you are not well versed with some critical procedure in your work? (Marks 2)
- a. Stay quiet and finish it somehow
  - b. Ask for help from the procedure expert
  - c. Decline to work
  - d. Any one of these

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CON/N9001: Work according to personal health, safety and environment protocol at construction site  
(Marks 20)

41. Site safety induction is important, why? (Marks 3)

- a. To aware the workers of safety practices
- b. To aware them of hazards and their resolutions
- c. To make them understand the importance of PPE's
- d. All of the above

42. What is the use of safety goggles? (Marks 3)

- a. To protect ears from high pitched sound
- b. To protect the head from falling objects
- c. To protect eyes from dust and debris
- d. All of the above

43. Power tools should be operated by (Marks 3) ?

- a. A person with no expertise of that tool
- b. By mason's only
- c. By labours only
- d. A person with expertise in operation of that tool

44. Ladder should be placed at an angle of.....from ground. (Marks 3)

- a. 90°
- b. 60°
- c. 180°
- d. 270°

45. It is required to store ..... away from the electrical panels. (Marks 2)

- a. Cement
- b. Sand
- c. Flammable material
- d. Bricks

46. Which of the following is a good safety practice? (Marks 2)

- a. Wearing PPE's on site
- b. Wearing body harness during working on height
- c. Wearing nose mask in dusty environment
- d. All of the above

47. What do you understand by shown sign? (Marks 2)

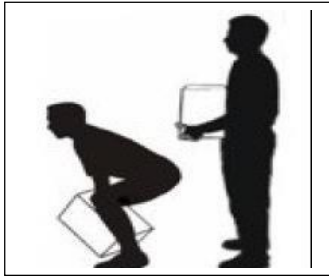
- a. Men are not allowed
- b. Women are not allowed
- c. Hard hat required in this area
- d. All of the above

48. Which of the following is correct way of lifting? (Marks 2)



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A.



B.

