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  
      j.  Digital Multimeter
   ii.  This instrument measures current in a circuit in amperes  
      k.  Earth Tester
   iii. It is a test tool used to measure two or more electrical values  
      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
7. A ........................., is a weight, usually with a pointed tip on the bottom, suspended from a string and used as a vertical reference line.  
   a. Plumb bob  
   b. Measuring tape  
   c. Spirit Level  
   d. Line thread  
   Ans  

8. Which of the following is an accessory used in electrical works?  
   a. Wires  
   b. Cables  
   c. Conduits  
   d. All of the above  
   Ans  

9. Which of the following is a good practice to be followed while handling material and fixtures relevant to LV electrical works?  
   a. Check for breakages, cracks, damp, corrosions etc  
   b. Shift lights, cables, conduits, cable trays, brackets to the appropriate work locations  
   c. Provide protective cover, erect barricading, signage around the stacked materials adequately  
   d. All of the above  
   Ans  

CON/N0607: Carry out wall chasing and external threading on MS conduit  

10. Which of the following hand tool is not used in wall chasing?  
    a. Chisel  
    b. Hammer  
    c. Nails  
    d. Safety Googles  
    Ans  

11. Which of the electrical material is not required for wall chasing?  
    a. Cables  
    b. Wires  
    c. Conduits  
    d. Hammer  
    Ans  

12. Which of the following is advantage of conduit?  
    a. Protects electrical wires from accident or damage  
    b. Allows cables to be easily pulled off to inaccessible areas  
    c. Allows wiring changes in safe and simple  
    d. All of the above.  
    Ans  

13. Which of the following is not a kind of measuring instrument?  
    a. Measuring tape  
    b. Plumb bob  
    c. Mason’s line  
    d. Drilling machine  
    Ans  

14. Which of the following method can be used for wall chasing?  
    a. By using drilling machine  
    b. By using hand cutting machine  
    c. Both a and b  
    d. Only a  
    Ans  

CON/N0104: Carry out manual earthwork at construction sites  

15. A ......................... is a small hand tool used for digging, applying, smoothing, or moving small amounts of viscous or particulate material.  
    a. Trowel  
    b. Ladder  
    c. Mortar Pan  
    d. Hammer  
    Ans  

16. Identify the image?  
   (Marks 3)
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
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)
   a. Maintain tidiness at work location
   b. Clean and stack all components properly after dismantling
   c. Check for rigidity, stability and support of erected scaffold
   d. All of the above
   Ans:

25. Which of the following tool is used to transfer level from reference point? (Marks 3)
   a. Plumb bob
   b. Spirit level
   c. Water level
   d. None of the above
   Ans:

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

   ![Combination wrench]

   a. Circular saw
   b. Jig saw
   c. Hammer
   d. Combination wrench
   Ans:

27. Which of the following points needs to be consider during dismantling of scaffold? (Marks 2)
   a. Throw material from height
   b. Stack material properly after dismantling
   c. Do not use body harness
   d. All of the above
   Ans:

28. Which of the following is a type of scaffold? (Marks 2)
   a. Cup Lock scaffold
   b. Frame scaffold
   c. Only a
   d. 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)
   a. Toe board
   b. Walkways
   c. Ladder
   d. Guard rails
   Ans:

30. Which of the following checks should be conducted on completion of erection of scaffolds? (Marks 2)
   a. Check on verticality
   b. Check on stability
   c. Only a
   d. 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)
   a. By taking feedback from manufacturer
   b. By taking feedback from top management
   c. By taking feedback from juniors
   d. By taking feedback from reporting senior
   Ans:

32. What is supposed to be done if tool gets damaged while executing the task? (Marks 2)
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
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. 90º
   b. 60º
   c. 180º
   d. 270º

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.  
