

Knowledge Assessment ( Written Test)

QP Name - Assistant electrician



Total marks: 210 marks

Each NOS carries 30 marks

Infrastructure: Classroom, Benches, Pens, pencils

QP Code:CON/Q0602

Duration: 90 minutes

		Marks
<b>CON/N0602: Select and use hand tools, power tools, and electrical devices relevant to construction electrical works</b>		
1	Which device is used to measure current in a circuit? a. Voltmeter b. Ammeter c. Tester d. Megger	4
2	Identify the item form the image below? 	4
3	Which device is used to avoid overload current in a circuit? a. Residual current circuit breaker b. Miniature circuit breaker c. Earth Leakage circuit breaker d. Molded Case circuit breaker	4
4	Identify the tool form the image below? 	4

- a. Channel lock plier
- b. Combination plier
- c. Nose plier
- d. Snippers

5 Which of the following is an ideal instrument used to measure the thickness of conduit? 4

- a. Vernier Caliper
- b. Multi meter
- c. Measuring tape
- d. Total station

6 Identify the item from the image below? 5



- a. Semi enclosed or re-wire able fuse
- b. Cartridge type fuse
- c. D type fuse
- d. Link type fuse

7 Which of the following tools is used to strip the insulation of cable? 5

- a. Plier
- b. Scissor
- c. Splicer
- d. Tester



**CON/N0603: Install temporary lighting arrangement at construction sites**

		<b>Marks</b>
8	What is the maximum number of 1sq.mm wires that can be drawn through a 25mm diameter conduit a. 5 b. 2 c. 4 d. 6	4
9	What are the type of sockets used to provide temporary supply at a construction site? a. 15 amps socket b. 6 amps socket c. Industrial Socket d. None of the above	5
10	Which method of cable joint is used for LV cables? a. Hot Shrinkable b. Cold Shrinkable c. Termination d. Tapping method	5
11	Which of the following specific components is used while terminating wires? a. Glands b. Switches c. Lugs d. Circuit Breakers	4
12	Which of the following specific components is used while terminating wires? a. Glands b. Switches c. Lugs d. Circuit Breakers	4
13	Which of the following is an ideal lighting fixture used in a construction site? a. LED lamp b. Halogen lamp c. Florescent lamp d. Fancy lamp	4
14	Which of the following devices is not used to check the continuity of supply in a circuit a. Multi meter	4

- b. Continuity tester
- c. Intensity calculator
- d. Light bulb

**CON/N0604: Install LV electrical wiring at permanent structures as shown**

	<b>Marks</b>
15 What should be the minimum number of wires required to install two single phase light point? a. 3 b. 2 c. 5 d. 4	4
16 Which of the following tool is used to cut a PVC conduit? a. Plier b. Splicer c. Hacksaw d. Scissor	4
17 Which of the following accessories is used to hold the conduit in a grooved wall? a. U plug b. Straight nails c. Wooden wedges d. Adhesive	4
18 How are electrical wires placed inside a conduit? a. Pulled through a GI wire from one end to the other b. Pulled directly from one end to the other c. Wires placed during wall conduit d. Placed inside by splitting the conduit	5
19 Which of the following power tools is used to cut groove in a wall for electrical conduit? a. Chasing machine b. Flaring machine c. Bar cutting machine d. Grinding machine	4
20 Why is it compulsory to fix ELCB in each distribution board? a. To provide protection from current overflow b. To provide protection from voltage overflow c. To provide protection against earth leakage d. To provide lightening protection	5
21 Which type of test is used to check the insulation of a cable?	4

- a. Continuity
- b. Earth leakage
- c. Megger
- d. Polarity

**CON/N0605: Assemble, install and maintain temporary LV electrical panels (distribution boards) at construction site**

	<b>Marks</b>
22 Which of the following is the symbol for a three phase star connection? a. Y b. I c. K d. N	4
23 What does the image below symbolize in electrical drawing? a. Bracket Light b. Bulkhead light c. Tube light d. Emergency Light	4
24 Where the incoming mains should be connected in a DB? a. MCB incoming port b. MCCB Incoming port c. ACB incoming port d. RCCB incoming port	5
25 Which among the following is a safe place to install a distribution board? a. In a compound wall b. In an area with open sky c. In a wall below the roof d. In the ceiling	4
26 What is the purpose of using glands in wiring? a. Used to hold the cable b. Used to label the cable c. Used to tag the cable d. Used to strip the cable	5
27 What is the purpose of panel earthing? a. To provide a neutral connection b. To provide phase connection c. To neutralize the current d. To neutralize leakage current	4



28 How should the wire be connected in a socket?

4

- a. Connected with twisting wires
- b. Connected with adhesive
- c. Connected with screw
- d. Connected by soldering

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

	Marks
29 What is the purpose of passing work-related information to a team member? a. To avoid communication gap between the team members b. To fulfill requirement of the organization c. To ensure the attendance of team members d. To develop communication gap between the team members	6
30 What should be done if there is a delay in delivery of fixtures and fittings to the site? a. Report the problem to colleagues b. Report about the delay to the senior c. Do not do anything about the problem d. Carry out any other job to avoid joblessness	6
31 What should be done if there are different opinions found in a team while executing a task? a. Discuss with team member and clarify the same b. Do not bother about others opinion and argue with them c. Stop the work and protest with the team member d. Escalate it to the management and wait for the action	6
32 What best can be done while working with an interfacing team? a. Hand over the resources in time to the interfacing team b. Have unnecessary chatting with the interfacing team c. Develop communication gap between the interfacing team d. Develop conflict between the interfacing team	6
33 Which of the following is the key function of a team member? a. Coordinating with team members b. Maintaining communication gap with team members c. Always seeking help from team member d. Spreading rumors within the team	6

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

	Marks
34 What is the purpose of work schedule? a. To track the work progress b. To track the quality of work c. To track the welfare of workers d. To track the attendance of workers	5

- 35 What best can be done if a colleague is found to be in a problem while executing a task? 5
- a. Force him to do it himself
  - b. Inform about it to the customer
  - c. Complain to the reporting senior and continue with the job
  - d. Provide guidance and help him with known skills
- 36 When should waste materials be cleared from the workplace? 5
- a. After completion of entire project
  - b. Every day before leaving site
  - c. Once in three days
  - d. Once in ten days
- 37 Which among these is the most essential tool to carry out termination? 5
- a. Splicer
  - b. Scissor
  - c. Hacksaw
  - d. Knife
- 38 Which of the following is the best method to reduce material wastage? 5
- a. Use damaged materials
  - b. Do not use defective tool
  - c. Mix waste materials with new materials
  - d. Take rough measurements while cutting a conduit
- 39 Whose instructions should be followed while using an equipment? 5
- a. General instructions
  - b. Manufacturer instructions
  - c. Dealer instructions
  - d. Colleagues instructions

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

		Marks
40	Which of the following is an unsafe working condition a. Working on electrical equipment connected with damaged wire b. Working at a height with safety belt c. Working on electrical equipment connected with insulated cable d. Working with a chasing machine connected with industrial socket	5
41	Which of the following safety trainings is mandatory for workers before entering a new site? a. Induction training b. First aid training c. Refresher training d. Specific training	5
42	Which of the following should be referred before handling chemicals a. Material safety data sheet b. Material test certificate c. Material delivery sheet d. Material invoice letter	5
43	Which of the following is the minimum height at which a safety belt must be worn? a. 3 meters b. 2 meters c. 4 meters d. 1 meter	5
44	What is firefighting? a. Working with fire b. Process of extinguishing fire c. Study about fire d. Working in hot areas	5
45	In case of electric shock, the electric supply should not be disconnected? a. True b. False	5

