

ELECTRICAL INSTALLATION AND DRAWING-1192 - 1

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Started on	Monday, 18 May 2020, 2:00 PM
State	Finished
Completed on	Monday, 18 May 2020, 2:20 PM
Time taken	19 mins 18 secs
Grade	20.00 out of 25.00 (80%)

Question 1
Correct
Mark 1.00 out of 1.00
Flag question

When conducting a test to check the continuity of Circuit Protective Conductors (CPC) using a Continuity Tester, the recorded test result, obtained at the furthest point in the circuit, represents the value $(R1 + R2)$ for the circuit.

Select one:

- True ✓
 False

The correct answer is 'True'.

Question 2
Correct
Mark 1.00 out of 1.00
Flag question

When conducting a test to check the continuity of Circuit Protective Conductors using a Continuity Tester, the live and earth conductors must be connected to the supply in the distribution board.

Select one:

- True
 False ✓

The correct answer is 'False'.

Question 3
Correct
Mark 1.00 out of 1.00
Flag question

The Correction Factors are typically greater than unity, each.

Select one:

- True
 False ✓

The correct answer is 'False'.

Quiz navigation

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17 ✓							

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Activate Windows
Go to Settings to activate Windows.

Question 4

Correct
Mark 1.00 out of 1.00
Flag question

When conducting a test to check the continuity of Circuit Protective Conductors (CPC) using a Continuity Tester, temporarily link together the line conductor and CPC of the circuit concerned in the Distribution Board (DB) or consumer unit.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 5

Correct
Mark 1.00 out of 1.00
Flag question

The Design Current of an appliance must be smaller than, or equal to, the nominal current of the protective device for the same circuit.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 6

Incorrect
Mark 0.00 out of 2.00
Flag question

Ca - Correction Factor's value

Select one:

- a. Increases with increasing the cables' grouping. ✗
- b. increases with increasing the ambient temperature.
- c. decreases with increasing the cable thermal insulation.
- d. decreases with increasing the ambient temperature.

Your answer is incorrect.

The correct answer is: decreases with increasing the ambient temperature.

Question 7

Correct
Mark 2.00 out of 2.00
Flag question

Diversity Factor

Select one:

- a. helps in reducing the capacity of a Distribution Board.
- b. is the various loads connected to a distribution board.
- c. helps in reducing the cable size and current demand from mains. ✓
- d. does not affect the cable size and current demand from mains.

Your answer is correct.

The correct answer is: helps in reducing the cable size and current demand from mains.

Question 8

Correct
Mark 1.00 out of 1.00
Flag question

Every cooker must have a control switch within 4m.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

The power factor of a Fluorescent tube is assumed to be unity.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

When conducting a test to check continuity of supplementary bonding conductors of the earthing system, using the Continuity Tester, one end of the supplementary bonding conductor must be disconnected from its bonding clamp.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 11

Correct

Mark 2.00 out of 2.00

Flag question

Diversity Factor

Select one:

- a. does not affect the capacity of the Distribution Board, as it has to supply the whole load, without applying diversity. ✓
- b. does not affect the cable size and current demand from mains.
- c. helps in reducing the cable size closest to the load.
- d. is the various loads connected to a distribution board.

Your answer is correct.

The correct answer is: does not affect the capacity of the Distribution Board, as it has to supply the whole load, without applying diversity.

Question 12

Incorrect

Mark 0.00 out of 2.00

Flag question

Cg Correction Factor's value

Select one:

- a. increases with increasing the cables' grouping. ✗
- b. increases with increasing the cable thermal insulation.
- c. decreases with increasing the cables' grouping.
- d. decreases with increasing the clearance time of the protective device during a fault.

Your answer is incorrect.

The correct answer is: decreases with increasing the cables' grouping.

Question 13

Correct

Mark 2.00 out of 2.00

Flag question

The Insulation resistance

Select one:

- a. has a small value; typically few kilo Ohms.
- b. is large when testing a large installation as a whole unit.
- c. has a lower value for longer cables; as more resistances are in parallel. ✓
- d. is measured when the installation is connected to the supply.

Your answer is correct.

The correct answer is: has a lower value for longer cables; as more resistances are in parallel.

Question 14

Incorrect

Mark 0.00 out of 1.00

Flag question

As an inspection practice, Labeling means that, all protective devices, switches (where necessary) and terminals of conductors have proper numbering.

Select one:

- True
- False ✗

The correct answer is 'True'.

Question 15

Correct

Mark 2.00 out of 2.00

Flag question

The Insulation resistance

Select one:

- a. is small when testing a large installation as small sections.
- b. is measured when the installation is disconnected from the supply. ✓
- c. has a small value; typically few kilo Ohms.
- d. has a higher value for longer cables.

Your answer is correct.

The correct answer is: is measured when the installation is disconnected from the supply.

Question 16

Correct

Mark 2.00 out of 2.00

Flag question

In measuring the electrode resistance by a Proprietary Test Instrument,

Select one:

- a. one measurement is sufficient and the recorded reading represents the electrode resistance.
- b. the percentage of the maximum deviation of three readings, with respect to the readings' average, when multiplied by 1.2 must be less 5%. ✓
- c. the reading is acceptable if the accuracy of the measurement is within 1.2%.
- d. the Potential electrode (L2) is placed away from the electrode under test, approximately 10 times electrode's length, and the Current electrode (C2) is placed midway.

Your answer is correct.

The correct answer is: the percentage of the maximum deviation of three readings, with respect to the readings' average, when multiplied by 1.2 must be less 5%.

Question 17

Correct

Mark 2.00 out of 2.00

Flag question

An Approved Test Lamp

Select one:

- a. has its leads flexible and sufficiently long for their purpose. ✓
- b. is used to measure the performance of an RCD.
- c. is used to measure the loop impedance.
- d. is used to measure the insulation resistance between the conductors in an installation.

Your answer is correct.

The correct answer is: has its leads flexible and sufficiently long for their purpose.