

+918962727615

7424080118

+917549811581

9570382541

9661598149

7549585514

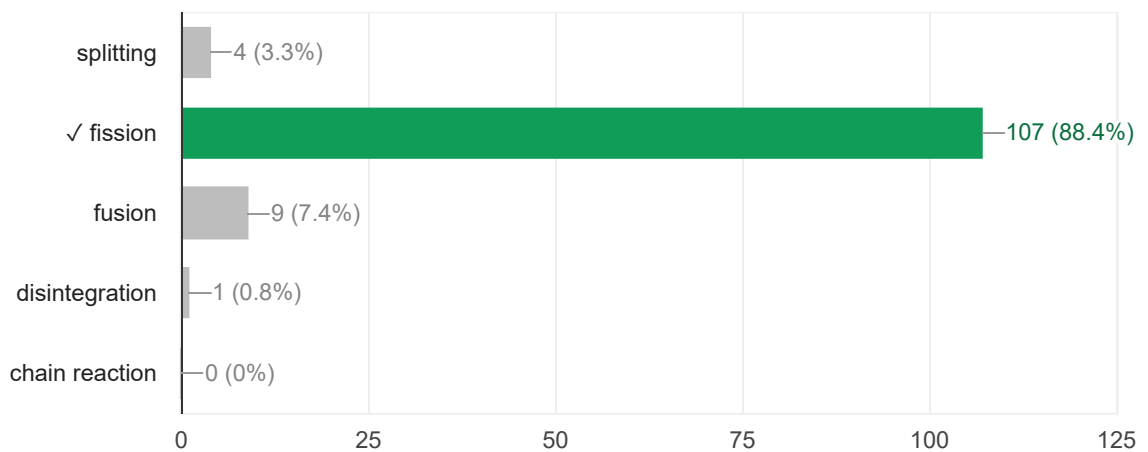
[OTHER \(20\)](#)

Questions

The process by which a heavy nucleus is splitted into two light nuclei is known as

[Copy](#)

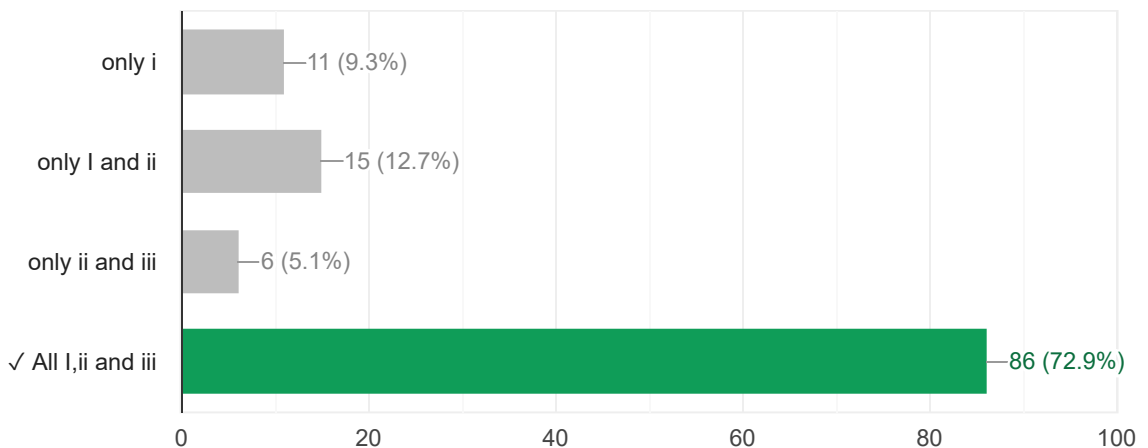
107 / 121 correct responses



Data that is provided from the no load test on induction motors is (i) Core loss (ii) Magnetising current (iii) No load power factor

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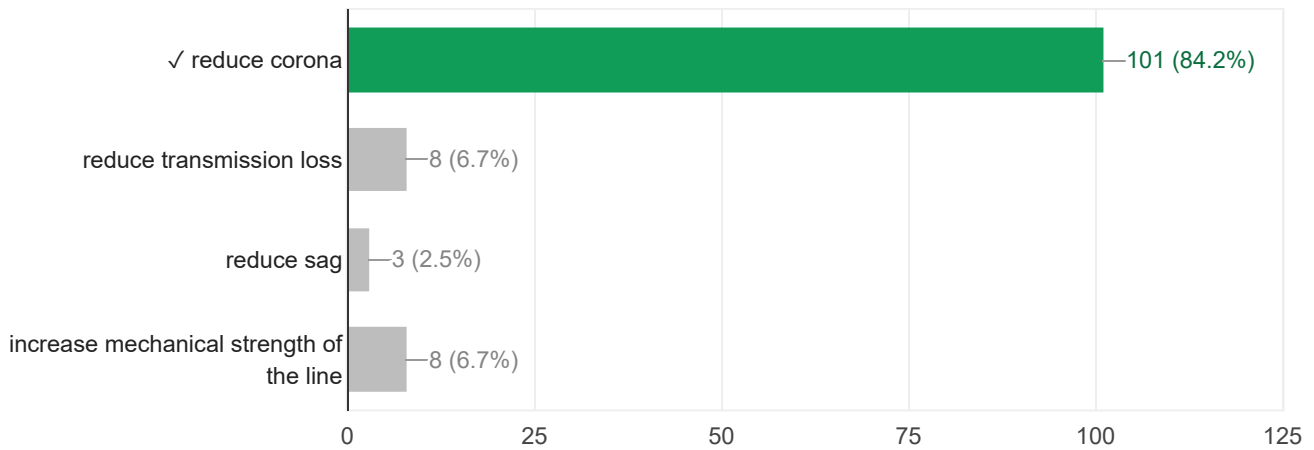
86 / 118 correct responses



Bundled conductors are mainly used in high voltage overhead transmission line to



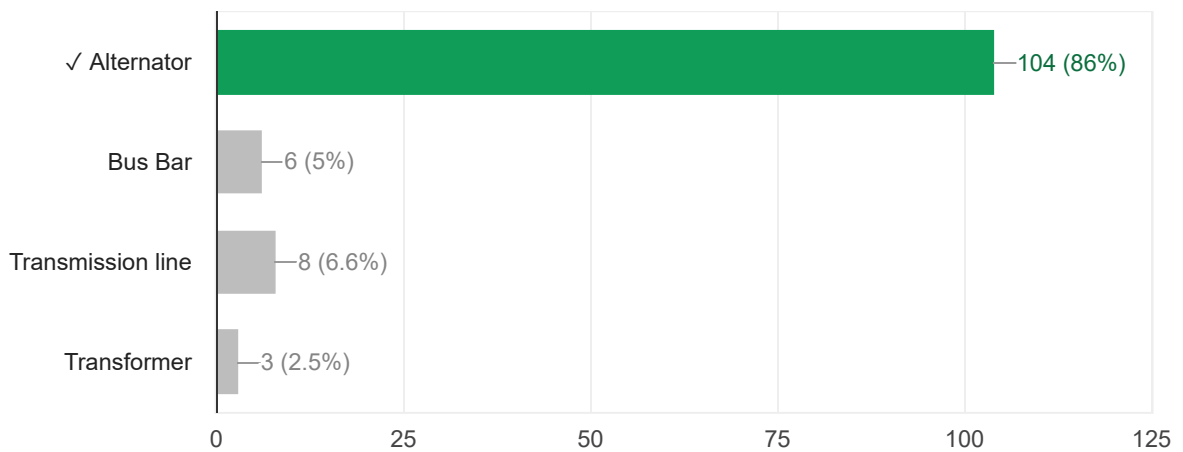
101 / 120 correct responses



A negative sequence relay is used for protecting



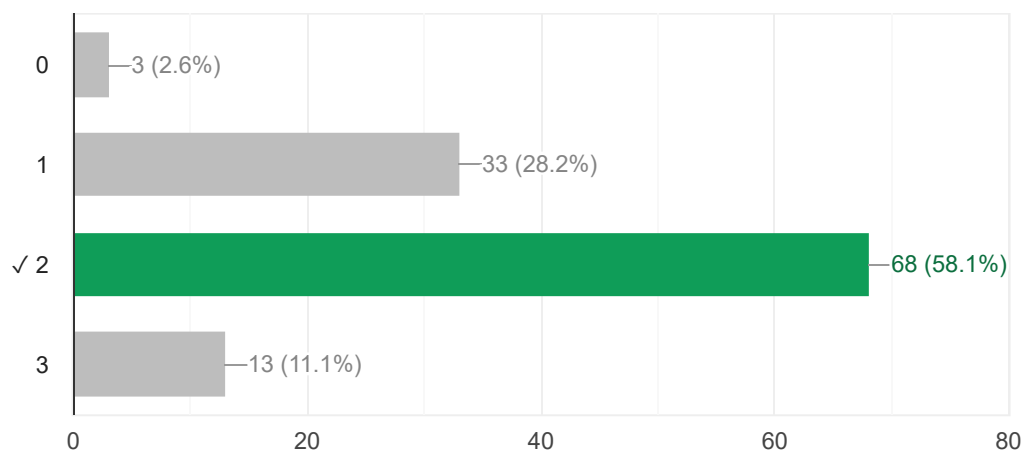
104 / 121 correct responses



Number of roots in right half of s- plane for the equation $S^3-4S^2+S+6=0$



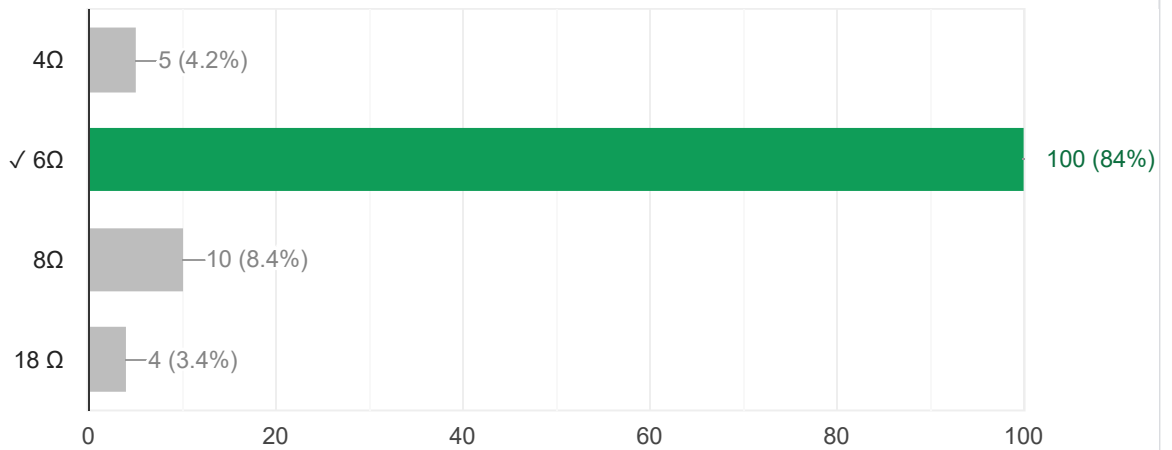
68 / 117 correct responses



In the given circuit, if $12\ \Omega$ resistor draws 1 A. Then value of R should be

 Copy

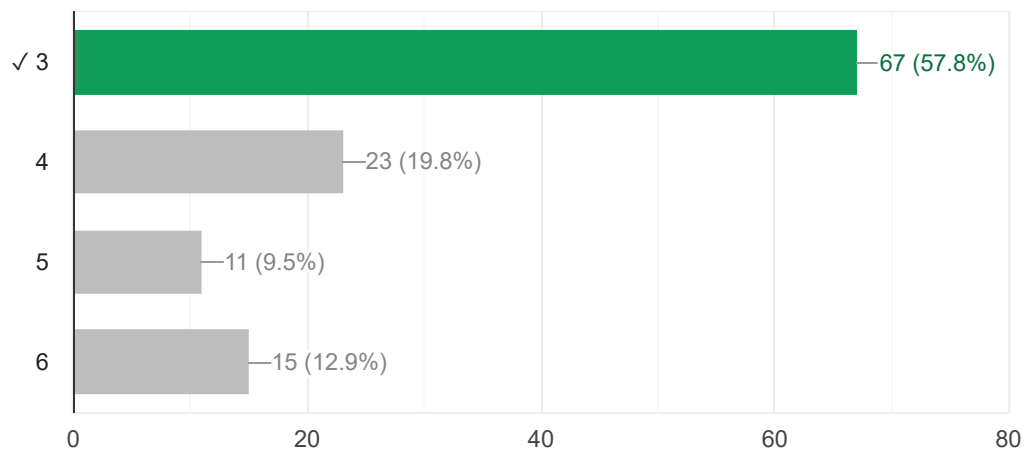
100 / 119 correct responses



Number of chords in a given circuit is

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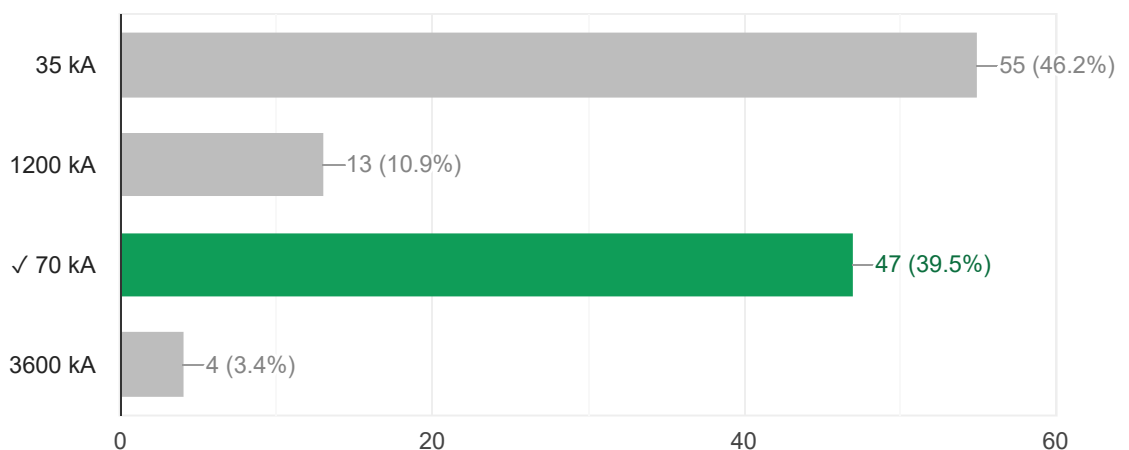
67 / 116 correct responses



A three-phase, 33 kV oil circuit breaker is rated 1200 A, 4000 M VA, 3s. The symmetrical breaking current is

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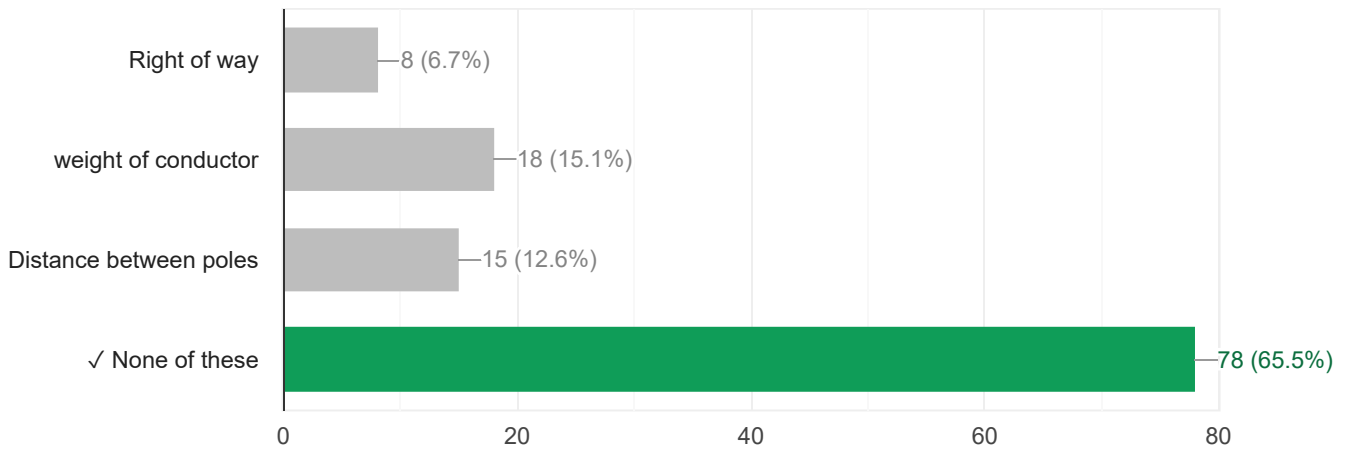
47 / 119 correct responses



The insulation strength of an EHV transmission line is mainly governed by

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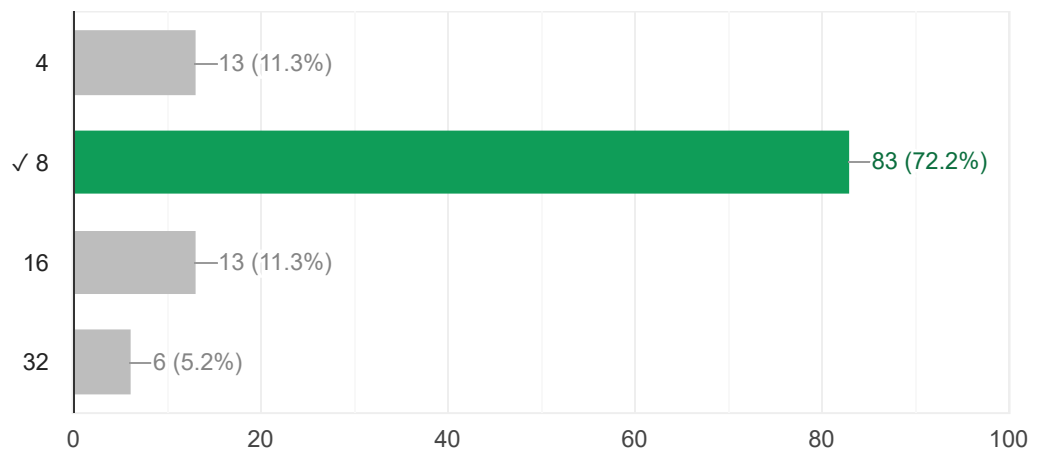
78 / 119 correct responses



A digital to analog converter has full scale output of 2.8 V. The converter has resolution close to 14 mV, then bit size of digital to analog converter will be

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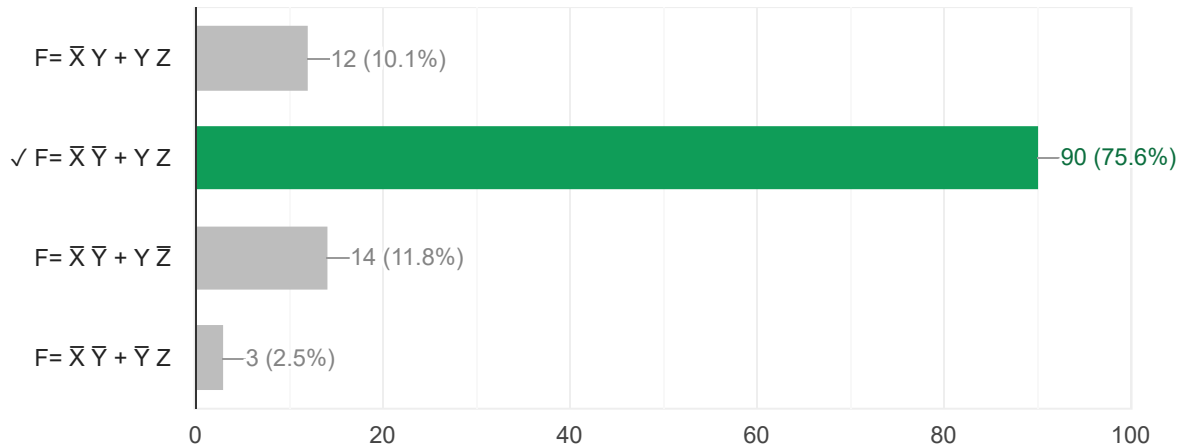
83 / 115 correct responses



A minimized form of the function F for the following Karnaugh map representation will be

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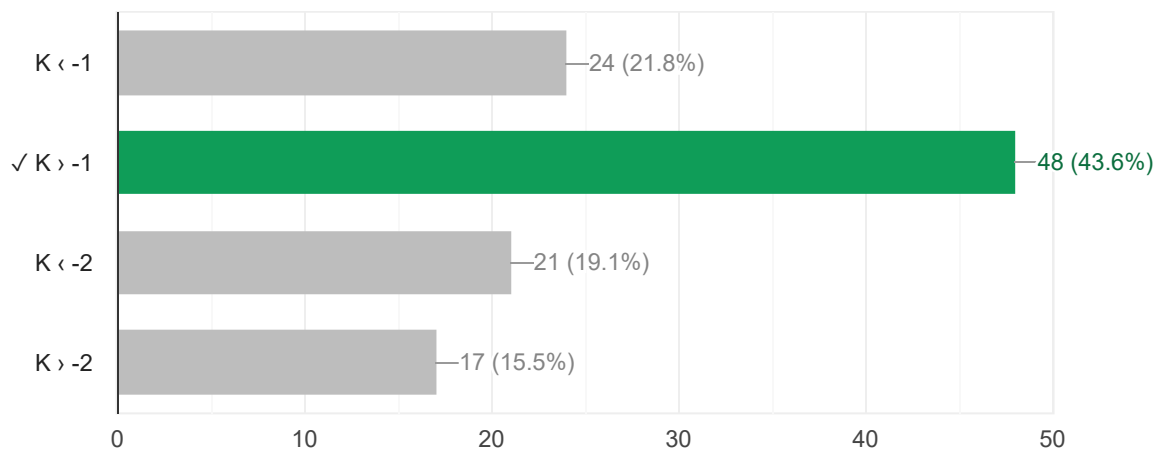
90 / 119 correct responses



The forward transfer function of a ufb system is $G(s) = K(s^2+1)/(s+1)(s+2)$. The system is stable for

 Copy

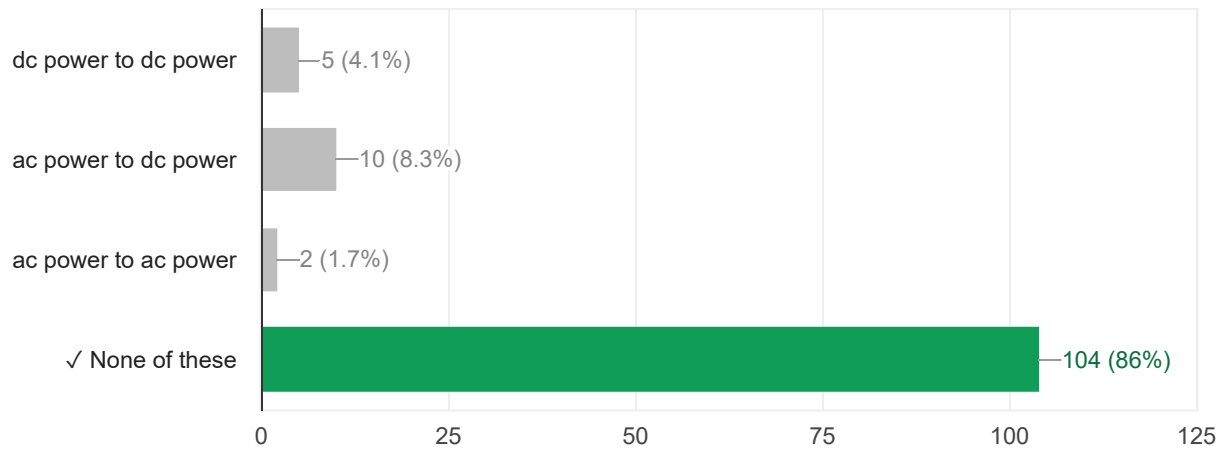
48 / 110 correct responses



Inverters converts

 Copy

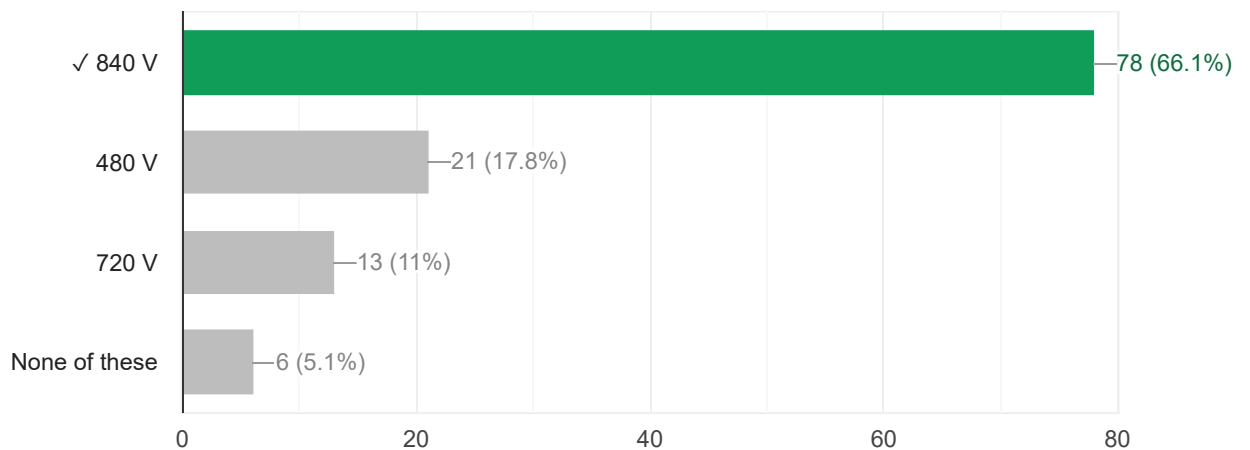
104 / 121 correct responses



A 4-pole wave wound armature has 840 conductor and rotated at 1500 rpm. if the useful flux is 20 mwb. then generated voltage is

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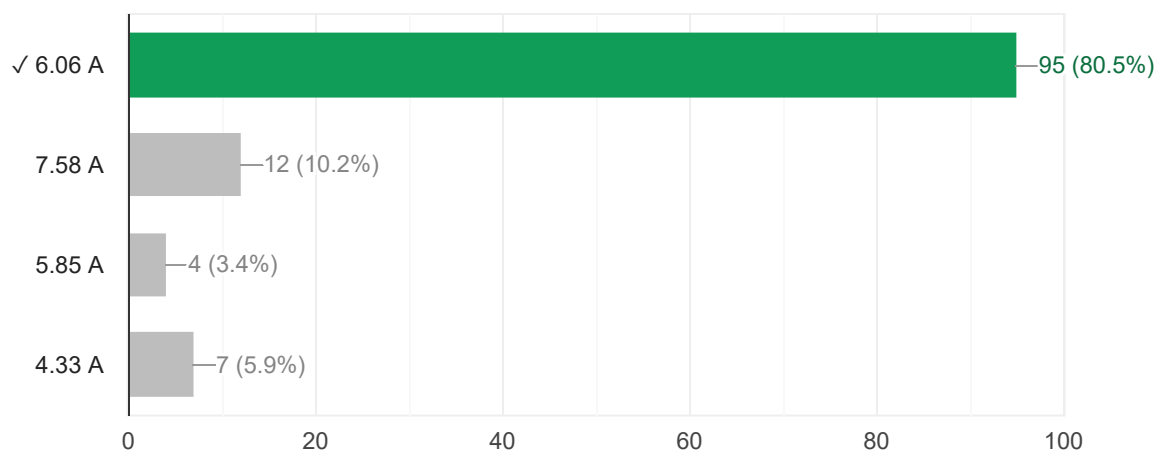
78 / 118 correct responses



A 20kVA transformer has a voltage ratio of 3300/400V. calculate the primary current.

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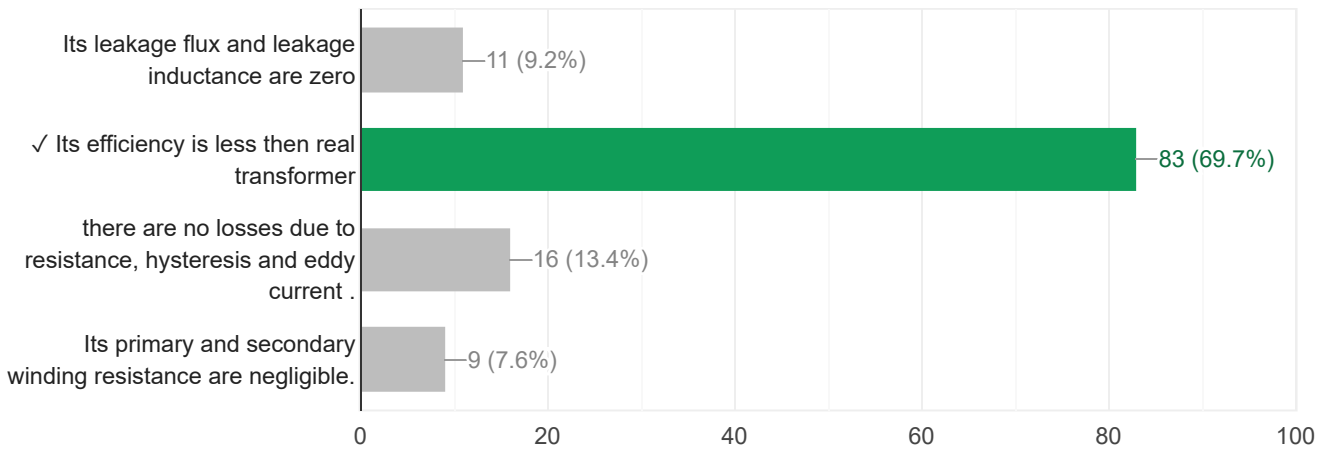
95 / 118 correct responses



Which of the below statement is incorrect about ideal transformer.

 Copy

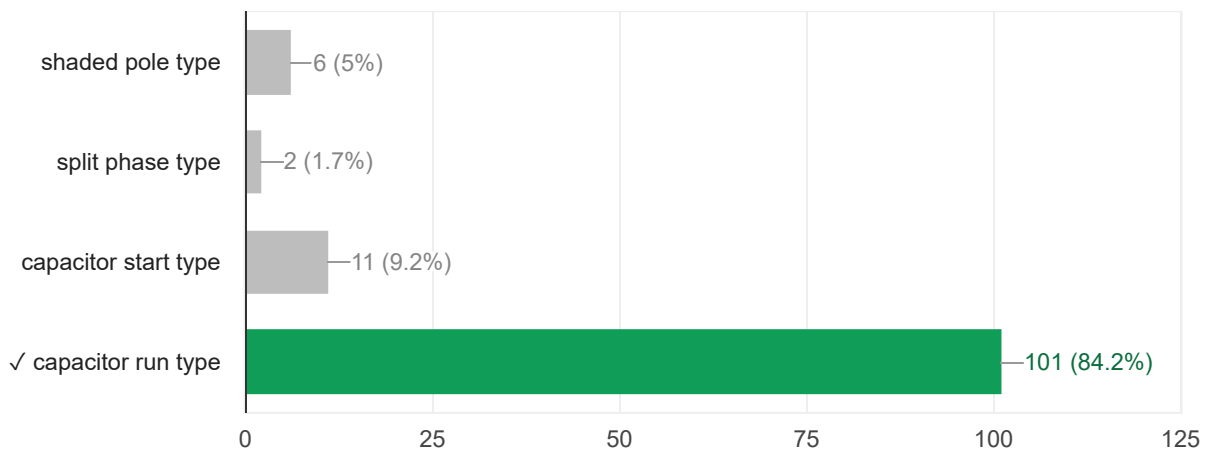
83 / 119 correct responses



single phase induction motor having the highest power factor at full load

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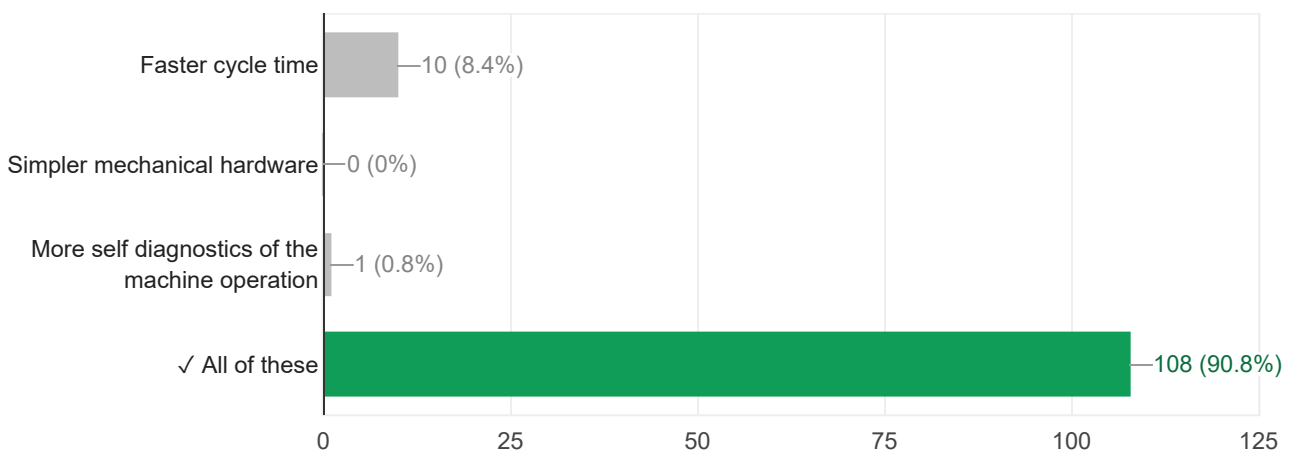
101 / 120 correct responses



A microcomputer as a controller allows:

 Copy

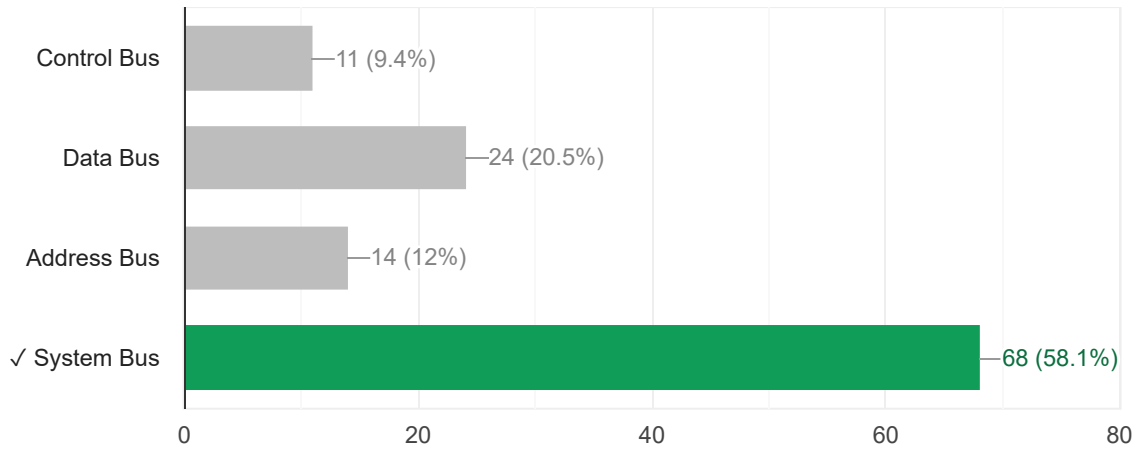
108 / 119 correct responses



which option form an intermediate communication path between I/O ports & I/O units?

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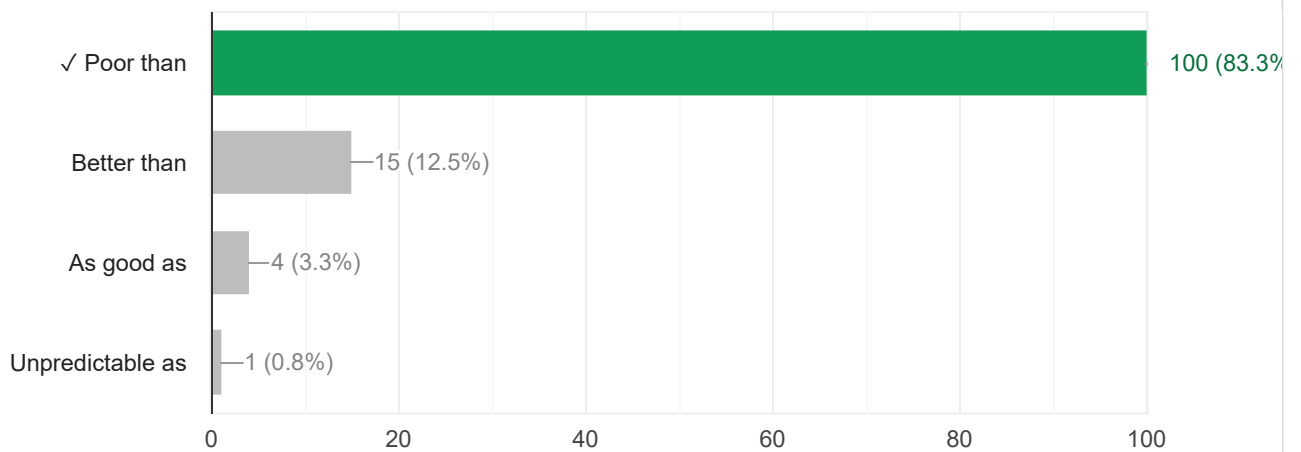
68 / 117 correct responses



Performance of convention relay system for complex operations is..... that of the PLCs

 Copy

100 / 120 correct responses



Introduction

Fill all the data carefully.

* Required

1. Email *

2. Name of candidate *

3. Name of college applied for *

Mark only one oval.

GP Bhagalpur

GP Katihar

GP Khagaria

4. Category *

Mark only one oval.

UR

EWS

BC

EBC

SC

ST

5. Gender *

Mark only one oval.

Male

Female

6. Mobile number *

Questions

1. Read the questions carefully.
2. There are twenty (20) multiple choice questions. Each carrying equal marks.
3. There is no negative marking.
4. Duration of exam is 30 minutes. Link will be disabled after 30 minutes. Try to submit on or before time to avoid non acceptance of your answer.

7. The process by which a heavy nucleus is splitted into two light nuclei is known as

Mark only one oval.

splitting

fission

fusion

disintegration

chain reaction

8. Data that is provided from the no load test on induction motors is (i) Core loss (ii) Magnetising current (iii) No load power factor

Mark only one oval.

only i

only I and ii

only ii and iii

All I,ii and iii

9. Bundled conductors are mainly used in high voltage overhead transmission line to

Mark only one oval.

- reduce corona
- reduce transmission loss
- reduce sag
- increase mechanical strength of the line

10. A negative sequence relay is used for protecting

Mark only one oval.

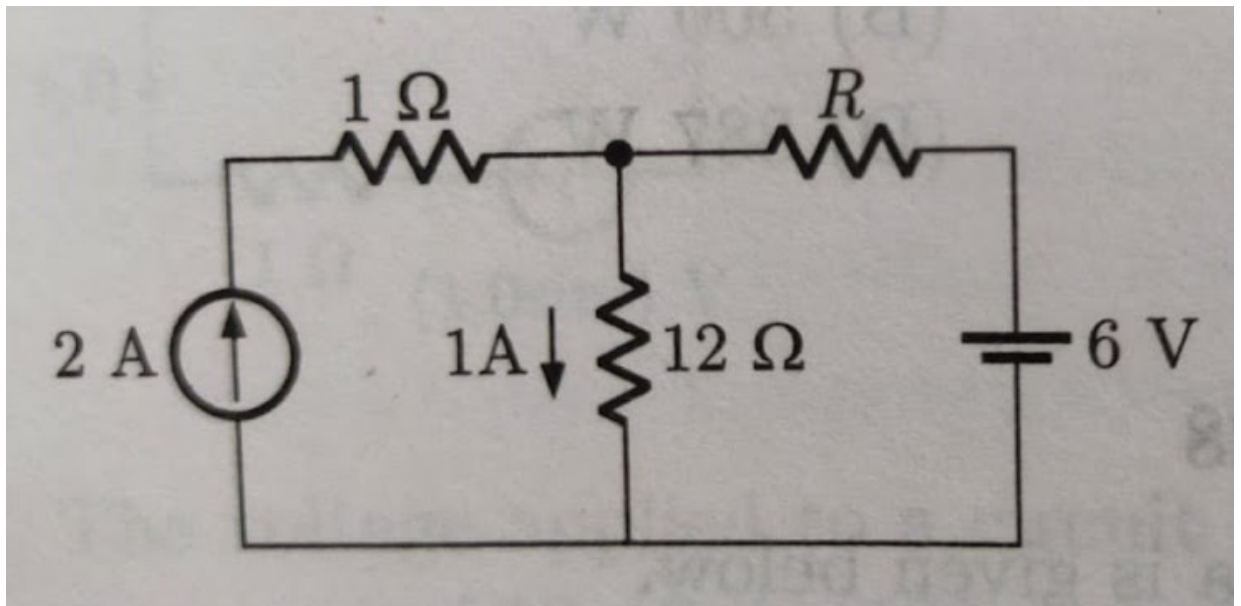
- Alternator
- Bus Bar
- Transmission line
- Transformer

11. Number of roots in right half of s- plane for the equation $S^3-4S^2+S+6=0$

Mark only one oval.

- 0
- 1
- 2
- 3

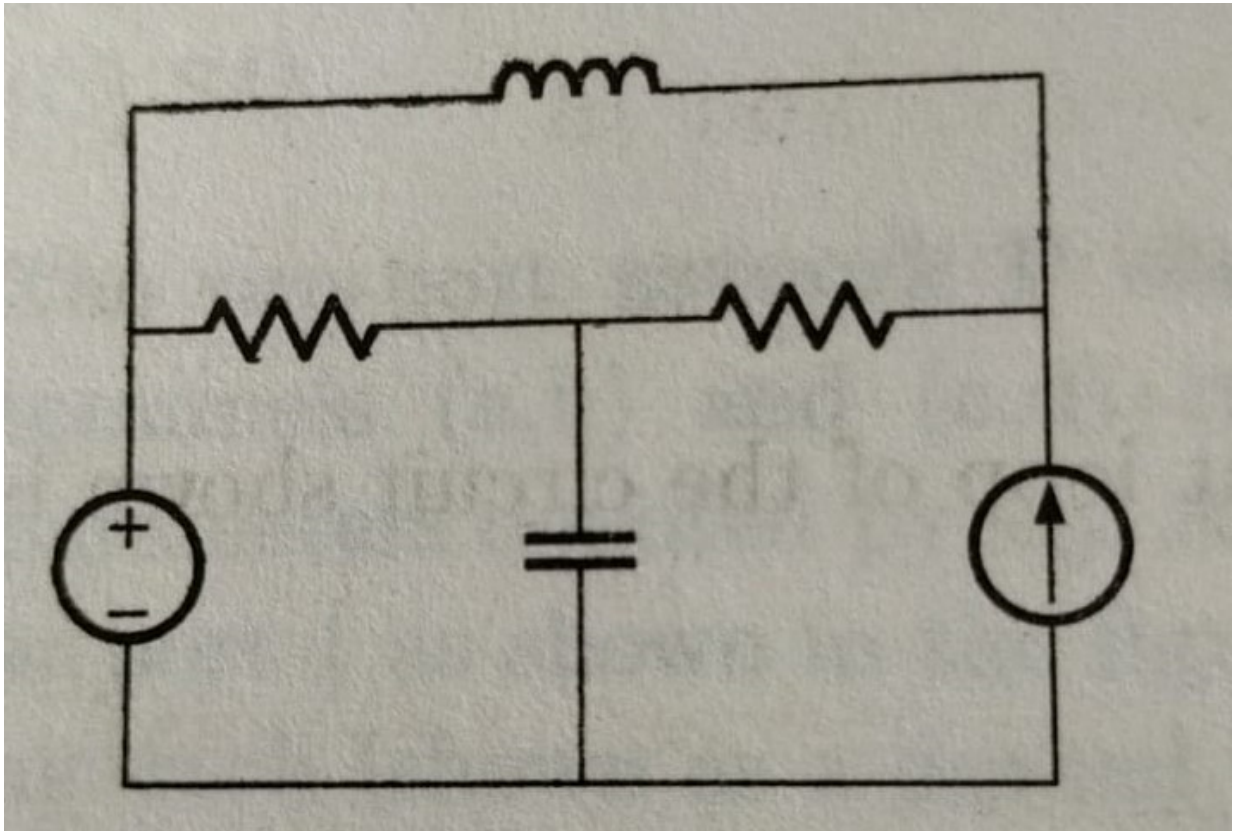
12. In the given circuit, if $12\ \Omega$ resistor draws $1\ \text{A}$. Then value of R should be



Mark only one oval.

- $4\ \Omega$
- $6\ \Omega$
- $8\ \Omega$
- $18\ \Omega$

13. Number of chords in a given circuit is



Mark only one oval.

- 3
- 4
- 5
- 6

14. A three-phase, 33 kV oil circuit breaker is rated 1200 A, 4000 M VA, 3s. The symmetrical breaking current is

Mark only one oval.

- 35 kA
- 1200 kA
- 70 kA
- 3600 kA

15. The insulation strength of an EHV transmission line is mainly governed by

Mark only one oval.

- Right of way
- weight of conductor
- Distance between poles
- None of these

16. A digital to analog converter has full scale output of 2.8 V. The converter has resolution close to 14 mV, then bit size of digital to analog converter will be

Mark only one oval.

- 4
- 8
- 16
- 32

17. A minimized form of the function F for the following Karnaugh map representation will be

F	YZ	00	01	11	10
X					
0		1	1	1	0
1		0	0	1	0

Mark only one oval.

- $F = \bar{X}Y + YZ$
- $F = \bar{X}\bar{Y} + YZ$
- $F = \bar{X}\bar{Y} + Y\bar{Z}$
- $F = \bar{X}\bar{Y} + \bar{Y}Z$

18. The forward transfer function of a ufb system is $G(s) = K(s^2+1)/(s+1)(s+2)$. The system is stable for

Mark only one oval.

- $K < -1$
- $K > -1$
- $K < -2$
- $K > -2$

19. Inverters converts

Mark only one oval.

- dc power to dc power
- ac power to dc power
- ac power to ac power
- None of these

20. A 4-pole wave wound armature has 840 conductor and rotated at 1500 rpm. if the useful flux is 20 mwb. then generated voltage is

Mark only one oval.

- 840 V
- 480 V
- 720 V
- None of these

21. A 20kVA transformer has a voltage ratio of 3300/400V. calculate the primary current.

Mark only one oval.

- 6.06 A
- 7.58 A
- 5.85 A
- 4.33 A

22. Which of the below statement is incorrect about ideal transformer.

Mark only one oval.

- Its leakage flux and leakage inductance are zero
- Its efficiency is less then real transformer
- there are no losses due to resistance, hysteresis and eddy current .
- Its primary and secondary winding resistance are negligible.

23. single phase induction motor having the highest power factor at full load

Mark only one oval.

- shaded pole type
- split phase type
- capacitor start type
- capacitor run type

24. A microcomputer as a controller allows:

Mark only one oval.

- Faster cycle time
- Simpler mechanical hardware
- More self diagnostics of the machine operation
- All of these

25. which option form an intermediate communication path between I/O ports & I/O units?

Mark only one oval.

- Control Bus
- Data Bus
- Address Bus
- System Bus

26. Performance of convention relay system for complex operations is..... that of the PLCs

Mark only one oval.

- Poor than
- Better than
- As good as
- Unpredictable as

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