

SSC JE 2023 Oct 10 Shift 2 Electrical Question Paper with Answers

Section : General Intelligence and Reasoning

Q.1 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term?

7 : 18 :: ? : 30 :: 10 : 24

Ans ☒ 1. 13

☐ 2. 10

☐ 3. 28

☐ 4. 18

Question ID : 264330144455

Option 1 ID : 264330566078

Option 2 ID : 264330566076

Option 3 ID : 264330566077

Option 4 ID : 264330566075

Status : Answered

Chosen Option : 1

Q.2 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

PYETAU

P
Q

Ans

☐ 1. PYETAU

☒ 2. UATEYB

☐ 3. UATEYB

☐ 4. UATEYB

Question ID : 26433056837

Option 1 ID : 264330222335

Option 2 ID : 264330222333

Option 3 ID : 264330222332

Option 4 ID : 264330222334

Status : Answered

Chosen Option : 2

Q.3 उस विकल्प का चयन कीजिए जो तीसरे शब्द से उसी प्रकार संबंधित है जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण हिंदी शब्दों के रूप में माना जाना चाहिए और शब्द में अक्षरों/व्यंजनों/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं किया जाना चाहिए)
लकड़ी: नक्काशी :: मृत्तिका: _____

- Ans ☒ 1. मृदा
☒ 2. ढालना
☒ 3. कीचड़
☒ 4. धूल

Question ID : 26433078835
 Option 1 ID : 264330309355
 Option 2 ID : 264330309354
 Option 3 ID : 264330309352
 Option 4 ID : 264330309353
 Status : Answered
 Chosen Option : 1

Q.4 उस विकल्प का चयन कीजिए, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए, और शब्द में अक्षरों की संख्या / व्यंजनों / स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होना चाहिए।)

झुंड (Flock) : अनेक (Many) :: एकांत (Solitary) : ?

- Ans ☒ 1. अकेला (Alone)
☒ 2. अंतिम (Last)
☒ 3. खुश (Happy)
☒ 4. गुम (Lost)

Question ID : 264330144589
 Option 1 ID : 264330566611
 Option 2 ID : 264330566614
 Option 3 ID : 264330566613
 Option 4 ID : 264330566612
 Status : Answered
 Chosen Option : 4

Q.5 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.
9 : 99 :: 12 : 168 :: 15 : ?

- Ans ☒ 1. 205
☒ 2. 255
☒ 3. 250
☒ 4. 225

Question ID : 264330122551
 Option 1 ID : 264330480327
 Option 2 ID : 264330480329
 Option 3 ID : 264330480330
 Option 4 ID : 264330480328
 Status : Answered
 Chosen Option : 2

Q.6 उस विकल्प का चयन करें जिसमें दी गई आकृति सन्निहित है (घूर्णन की अनुमति नहीं है)।



Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 264330129545

Option 1 ID : 264330507549

Option 2 ID : 264330507548

Option 3 ID : 264330507546

Option 4 ID : 264330507547

Status : Answered

Chosen Option : 2

Q.7 उस समुच्चय का चयन कीजिए जिसमें संख्याएँ उसी प्रकार संबंधित हैं जिस प्रकार निम्नलिखित समुच्चयों की संख्याएँ एक-दूसरे से संबंधित हैं।

(नोट: संख्याओं को उसके घटक अंकों में विभाजित किए बिना, पूर्ण संख्याओं पर संक्रिया की जानी चाहिए।
उदाहरण के लिए 13 - संक्रिया जैसे कि जोड़ना/घटाना/गुणा करना आदि को 13 पर किया जा सकता है। 13 को 1 और 3 में तोड़कर और फिर 1 और 3 पर गणितीय संक्रियाएँ करने की अनुमति नहीं है)

(5, 9, 27)

(9, 15, 47)

- Ans ☒ 1. (13, 7, 38)
☒ 2. (6, 11, 35)
☒ 3. (14, 9, 54)
☒ 4. (18, 5, 45)

Question ID : 264330144426

Option 1 ID : 264330565960

Option 2 ID : 264330565959

Option 3 ID : 264330565962

Option 4 ID : 264330565961

Status : Answered

Chosen Option : 2

Q.8 छह मित्र एक वृत्ताकार स्थिति में बैठे हुए हैं। वे सभी केंद्र की ओर अभिमुख हैं। पलक, कुमुद के ठीक बगल में है। झलक, महक के बाएं तीसरे स्थान पर बैठी है। राहत, झलक के दाईं ओर चौथे स्थान पर बैठी है। कुमुद, चहक के दाईं ओर दूसरे स्थान पर बैठी है।

महक के बाईं ओर ठीक बगल में कौन बैठा है?

- Ans ☒ 1. पलक
☒ 2. कुमुद
☒ 3. चहक
☒ 4. राहत

Question ID : 264330144637

Option 1 ID : 264330566806

Option 2 ID : 264330566805

Option 3 ID : 264330566804

Option 4 ID : 264330566803

Status : Answered

Chosen Option : 2

Q.9 एक निश्चित कूट भाषा में, "BORDER" को ESUHHV और "GLOBAL" को JPRFDP के रूप में कूटबद्ध किया जाता है। उसी भाषा में "LATEST" को किस प्रकार कूटबद्ध किया जाएगा?

- Ans ☒ 1. PEWIUW
☒ 2. PEWJVX
☒ 3. OEXJWY
☒ 4. OEWIVX

Question ID : 264330133210

Option 1 ID : 264330521889

Option 2 ID : 264330521890

Option 3 ID : 264330521887

Option 4 ID : 264330521888

Status : Answered

Chosen Option : 4

Q.10 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will be the correct answer of the following relation?
 $(6 - 20 \div 24) \times 8 + 6 = ?$

- Ans
- ☒ 1. 15
 - ☒ 2. 16
 - ☒ 3. 17
 - ☒ 4. 12

Question ID : 264330130216

Option 1 ID : 264330509976

Option 2 ID : 264330509977

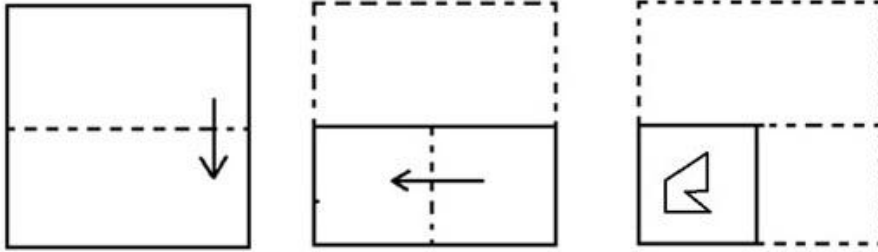
Option 3 ID : 264330509978

Option 4 ID : 264330509975

Status : Answered

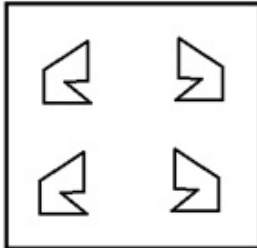
Chosen Option : 4

Q.11 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose a figure which would most closely resemble the unfolded form of the paper.

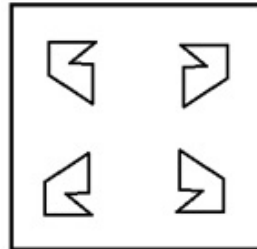


Ans

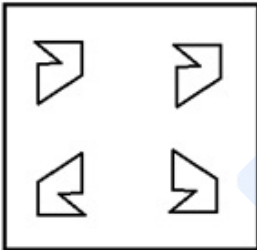
✗ 1.



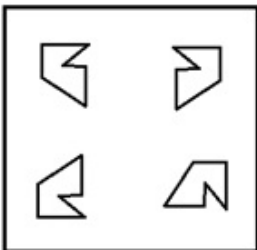
✓ 2.



✗ 3.



✗ 4.



Question ID : 264330103215

Option 1 ID : 264330405166

Option 2 ID : 264330405168

Option 3 ID : 264330405165

Option 4 ID : 264330405167

Status : Answered

Chosen Option : 2

Q.12 Which two signs should be interchanged to make the given equation correct?

$$167 + 85 - 5 \times 4 \div 36 = 199$$

Ans ☒ 1. - and $\times$

☒ 2. $\div$ and -

☒ 3. $\div$ and $\times$

☒ 4. $\times$ and +

Question ID : 264330129532

Option 1 ID : 264330507497

Option 2 ID : 264330507494

Option 3 ID : 264330507495

Option 4 ID : 264330507496

Status : Answered

Chosen Option : 2

Q.13 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Opaque

2. Omission

3. Once

4. Onward

5. Omnipotence

Ans ☒ 1. 2, 5, 4, 3, 1

☒ 2. 2, 5, 3, 1, 4

☒ 3. 2, 3, 5, 4, 1

☒ 4. 2, 5, 3, 4, 1

Question ID : 264330129554

Option 1 ID : 264330507584

Option 2 ID : 264330507585

Option 3 ID : 264330507583

Option 4 ID : 264330507582

Status : Answered

Chosen Option : 4

Q.14 Select the number from among the given options that can replace the question mark (?) in the following series.

4, 17, 39, 69, 117, 181, ?, 387

Ans ☒ 1. 222

☒ 2. 227

☒ 3. 277

☒ 4. 272

Question ID : 26433079007

Option 1 ID : 264330310035

Option 2 ID : 264330310032

Option 3 ID : 264330310034

Option 4 ID : 264330310033

Status : Answered

Chosen Option : 3

Q.15 स्वामी, लव, अखिल, अरुण, शुभ, विवेक और ज्ञान, ये सात मित्र हैं। इनमें से प्रत्येक की आयु अलग-अलग है। अखिल केवल दो लोगों से बड़ा है। लव, स्वामी से बड़ा है। विवेक केवल तीन लोगों से बड़ा है। स्वामी केवल दो लोगों से छोटा है। ज्ञान न तो सबसे बड़ा है और न ही सबसे छोटा। लव, विवेक से बड़ा है लेकिन शुभ से बड़ा नहीं है। सबसे छोटा कौन है?

- Ans
- ☒ 1. अखिल
 - ☒ 2. शुभ
 - ☒ 3. ज्ञान
 - ☒ 4. अरुण

Question ID : 26433069525

Option 1 ID : 264330272614

Option 2 ID : 264330272613

Option 3 ID : 264330272615

Option 4 ID : 264330272612

Status : Answered

Chosen Option : 4

Q.16 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.

_ A _ D _ A D A A _ A A D _ A

- Ans
- ☒ 1. D A D A A
 - ☒ 2. A D D A D
 - ☒ 3. D A A D A
 - ☒ 4. A D A A D

Question ID : 264330144617

Option 1 ID : 264330566724

Option 2 ID : 264330566723

Option 3 ID : 264330566726

Option 4 ID : 264330566725

Status : Answered

Chosen Option : 3

Q.17 Select the option that represents the letters which, when sequentially placed from left to right in the blanks below, will complete the letter series

Q _ R _ _ _ U R _ A _ _ R L A

- Ans
- ☒ 1. U L A Q L Q U
 - ☒ 2. Q L U Q L A U
 - ☒ 3. R A L Q L A Q
 - ☒ 4. A L Q U Q L U

Question ID : 26433086960

Option 1 ID : 264330341482

Option 2 ID : 264330341484

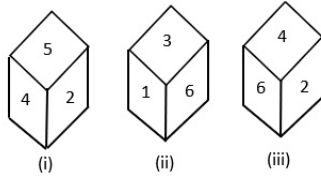
Option 3 ID : 264330341481

Option 4 ID : 264330341483

Status : Answered

Chosen Option : 1

Q.18 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '6'



- Ans**
- ☒ 1. 2
 - ☒ 2. 4
 - ☒ 3. 3
 - ☒ 4. 5

Question ID : 26433085388
 Option 1 ID : 264330335256
 Option 2 ID : 264330335255
 Option 3 ID : 264330335254
 Option 4 ID : 264330335253
 Status : Answered
 Chosen Option : 4

Q.19 Which letter-cluster will replace the question mark (?) to complete the given series?

PJVG, VBZB, BTDW, HLHR, ?

- Ans**
- ☒ 1. MDLM
 - ☒ 2. NDLN
 - ☒ 3. NDLM
 - ☒ 4. MDLN

Question ID : 264330144622
 Option 1 ID : 264330566744
 Option 2 ID : 264330566745
 Option 3 ID : 264330566746
 Option 4 ID : 264330566743
 Status : Answered
 Chosen Option : 3

Q.20 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.
 $15 * 4 * 5 * 2 * 10 = 20$

- Ans**
- ☒ 1. $\div \times - +$
 - ☒ 2. $\times \div - +$
 - ☒ 3. $+ - \div \times$
 - ☒ 4. $+ + \div \times$

Question ID : 26433068592
 Option 1 ID : 264330268881
 Option 2 ID : 264330268880
 Option 3 ID : 264330268882
 Option 4 ID : 264330268883
 Status : Answered
 Chosen Option : 2

Q.21 Select the correct combination of mathematical signs to replace “%” which balances the following equation.

$$64 \% 8 \% 3 \% 6 \% 4 \% 8 \% 2$$

Ans ☒ 1. $\div, \times, +, =, \times$

☒ 2. $+, \times, =, \div, +$

☒ 3. $\div, \times, +, =, +$

☒ 4. $\times, \div, =, +, \times$

Question ID : 264330129647

Option 1 ID : 264330507956

Option 2 ID : 264330507954

Option 3 ID : 264330507957

Option 4 ID : 264330507955

Status : Answered

Chosen Option : 1

Q.22 Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All goods are services.

Some services are applications.

All applications are forms.

Conclusions:

I. All goods can never be applications.

II. At least some services are forms.

III. No good is a form.

Ans ☒ 1. Only I follows

☒ 2. Only II follows

☒ 3. Only II and III follow

☒ 4. None follows

Question ID : 264330144509

Option 1 ID : 264330566291

Option 2 ID : 264330566294

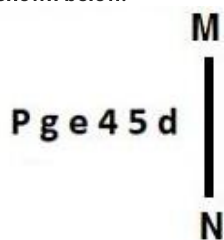
Option 3 ID : 264330566292

Option 4 ID : 264330566293

Status : Answered

Chosen Option : 3

Q.23 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- ✓ 1. b ɹ 4 e g 9
 - ✗ 2. p ɹ 4 e g P
 - ✗ 3. p ɹ 4 e g b
 - ✗ 4. d ɹ 4 e g 9

Question ID : 26433056968
 Option 1 ID : 264330222857
 Option 2 ID : 264330222858
 Option 3 ID : 264330222859
 Option 4 ID : 264330222856

Status : Answered
 Chosen Option : 1

Q.24 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.
 Z _ _ M I _ C B _ I Z C _ M _ Z C _ _ I

- Ans
- ✗ 1. C B Z B I M B M
 - ✓ 2. C B Z M B I B M
 - ✗ 3. C B Z I B M B M
 - ✗ 4. C B Z B M I B M

Question ID : 26433068919
 Option 1 ID : 264330270190
 Option 2 ID : 264330270188
 Option 3 ID : 264330270191
 Option 4 ID : 264330270189

Status : Answered
 Chosen Option : 2

Q.25 रवीना अपने घर से निकलती है, और 55 m पूर्व की ओर चलती है। फिर वह दाएं मुड़ती है, और 24 m चलती है। वह फिर से दाएं मुड़ती है, और 68 m चलती है। अंततः वह बाएं मुड़ती है, और 16 m चलती है। वह उस खंभे से कितनी दूर है, जो उसके घर से ठीक 40 m दक्षिण में है? (मान लीजिए कि सभी मोड़ केवल 90° वाले मोड़ हैं।)

Ans ☒ 1. 33 m

☒ 2. 13 m

☒ 3. 27 m

☒ 4. 44 m

Question ID : 264330131618

Option 1 ID : 264330515572

Option 2 ID : 264330515571

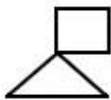
Option 3 ID : 264330515574

Option 4 ID : 264330515573

Status : Answered

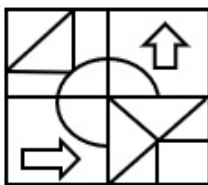
Chosen Option : 2

Q.26 Select the option in which the given figure is embedded (rotation is NOT allowed).

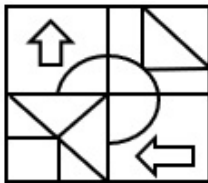


Ans

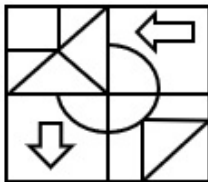
☒ 1.



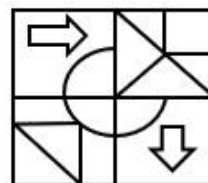
☒ 2.



☒ 3.



☒ 4.



Question ID : 264330129539

Option 1 ID : 264330507525

Option 2 ID : 264330507523

Option 3 ID : 264330507522

Option 4 ID : 264330507524

Status : Answered

Chosen Option : 3

Q.27 In a certain code language, 'SMOKE' is coded as 25 and 'BROWSER' is coded as 49. How will 'ADULTHOOD' be coded in that language?

- Ans
- ☒ 1. 78
 - ☒ 2. 64
 - ☒ 3. 100
 - ☒ 4. 81

Question ID : 264330133207
 Option 1 ID : 264330521876
 Option 2 ID : 264330521878
 Option 3 ID : 264330521877
 Option 4 ID : 264330521875
 Status : Answered
 Chosen Option : 3

Q.28 उस विकल्प का चयन करें, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को सार्थक शब्दों के रूप में माना जाना चाहिए, और शब्द, उनमें अक्षरों की संख्या/व्यंजन/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होना चाहिए)

विचार (Idea) : ख्याल (Notion) :: रिक्त (Vacant) : ?

- Ans
- ☒ 1. पूर्ण (Full)
 - ☒ 2. खाली (Empty)
 - ☒ 3. समृद्ध (Enriched)
 - ☒ 4. अपव्ययी (Squander)

Question ID : 264330144536
 Option 1 ID : 264330566402
 Option 2 ID : 264330566400
 Option 3 ID : 264330566401
 Option 4 ID : 264330566399
 Status : Answered
 Chosen Option : 2

Q.29 उस शब्द युग्म का चयन कीजिए, जिसमें दिए गए दोनों शब्द एक दूसरे से उसी तरह से संबंधित हैं, जिस तरह दिए गए युग्म के दोनों शब्द एक दूसरे से संबंधित हैं।
 (शब्दों पर सार्थक शब्द के रूप में विचार किया जाना चाहिए, और वे शब्द, शब्द में अक्षरों/व्यंजनों/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होने चाहिए।)
 पंखा : हवा

- Ans
- ☒ 1. स्टोव : आग
 - ☒ 2. भोजन : भूख
 - ☒ 3. कांच : कटोरा
 - ☒ 4. बोटल : पानी

Question ID : 264330117400
 Option 1 ID : 264330461642
 Option 2 ID : 264330461644
 Option 3 ID : 264330461641
 Option 4 ID : 264330461643
 Status : Answered
 Chosen Option : 1

Q.30 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Kindle
2. Knob
3. Kite
4. Knife
5. Kindergarten

Ans ☒ 1. 5, 1, 3, 2, 4
☒ 2. 5, 3, 1, 4, 2
☒ 3. 1, 5, 3, 4, 2
☒ 4. 5, 1, 3, 4, 2

Question ID : 264330129551
 Option 1 ID : 264330507570
 Option 2 ID : 264330507571
 Option 3 ID : 264330507572
 Option 4 ID : 264330507573
 Status : Answered
 Chosen Option : 3

Q.31 उस विकल्प का चयन करें, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए, और शब्द में अक्षरों की संख्या / व्यंजन / स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होना चाहिए)

किसान (Peasant) : कुटीर (Cottage) :: भिक्षु (Monk) : ?

Ans ☒ 1. साधुनी (Nun)
☒ 2. धार्मिक (Religious)
☒ 3. मठ (Monastery)
☒ 4. महल (Palace)

Question ID : 264330144529
 Option 1 ID : 264330566371
 Option 2 ID : 264330566373
 Option 3 ID : 264330566372
 Option 4 ID : 264330566374
 Status : Answered
 Chosen Option : 3

Q.32 'Q + R' means 'Q is the husband of R',
 'Q - R' means 'Q is the father of R',
 'Q * R' means 'Q is the mother of R', and
 'Q @ R' means 'Q is the daughter of R'.
 If M + V @ P - U, how is M related to U?

Ans ☒ 1. Brother
☒ 2. Father
☒ 3. Father's brother
☒ 4. Sister's husband

Question ID : 264330131399
 Option 1 ID : 264330514710
 Option 2 ID : 264330514708
 Option 3 ID : 264330514709
 Option 4 ID : 264330514707
 Status : Answered
 Chosen Option : 4

Q.33 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans

- ✗ 1.
- ✗ 2.
- ✓ 3.
- ✗ 4.

Question ID : 26433074804
 Option 1 ID : 264330293306
 Option 2 ID : 264330293307
 Option 3 ID : 264330293305
 Option 4 ID : 264330293304

Status : Answered

Chosen Option : 3

Q.34 R, P का पुत्र है। Q, N की माता है। M, N का पति है। M, R की बहन का पति है। यदि O, N का पुत्र है, तो P का O से क्या संबंध है?

Ans

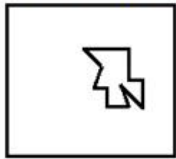
- ✓ 1. नाना
- ✗ 2. पौत्र
- ✗ 3. चाचा/ताऊ
- ✗ 4. दादा

Question ID : 26433099143
 Option 1 ID : 264330389185
 Option 2 ID : 264330389186
 Option 3 ID : 264330389187
 Option 4 ID : 264330389188

Status : Answered

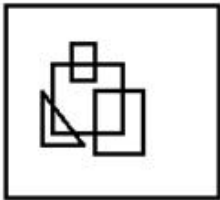
Chosen Option : 1

Q.35 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans

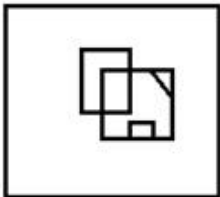
✗ 1.



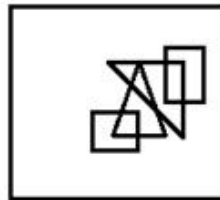
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433068179
 Option 1 ID : 264330267229
 Option 2 ID : 264330267228
 Option 3 ID : 264330267231
 Option 4 ID : 264330267230

Status : Answered

Chosen Option : 3

Q.36 Which of the following numbers will replace the question mark (?) in the given series?
 11, 75, 131, 179, 219, ?

Ans ✗ 1. 243

✓ 2. 251

✗ 3. 237

✗ 4. 233

Question ID : 26433091721
 Option 1 ID : 264330360251
 Option 2 ID : 264330360250
 Option 3 ID : 264330360252
 Option 4 ID : 264330360249

Status : Answered

Chosen Option : 3

Q.37 Arrange the following words in a logical and meaningful order.

1. millimetre
2. inch
3. centimetre
4. foot
5. metre

Ans  1. 1, 3, 2, 4, 5

 2. 1, 4, 5, 2, 3

 3. 3, 2, 4, 1, 5

 4. 3, 1, 2, 4, 5

Question ID : 26433076674

Option 1 ID : 264330300760

Option 2 ID : 264330300761

Option 3 ID : 264330300763

Option 4 ID : 264330300762

Status : Answered

Chosen Option : 1

Q.38 Which letter-cluster will replace the question mark (?) to complete the given series?

GZIM, HBFI, ?, JFZA, KHWW

Ans  1. IKBW

 2. IRTY

 3. ICTZ

 4. IDCE

Question ID : 264330144501

Option 1 ID : 264330566259

Option 2 ID : 264330566261

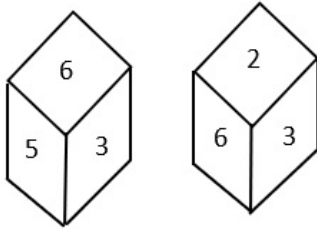
Option 3 ID : 264330566262

Option 4 ID : 264330566260

Status : Answered

Chosen Option : 4

Q.39 Two different positions of the same dice are shown. Find the number on the top if it is resting on '2'.



Ans ☒ 1. 5

☒ 2. 1

☒ 3. 4

☒ 4. 3

Question ID : 26433079353

Option 1 ID : 264330311400

Option 2 ID : 264330311403

Option 3 ID : 264330311401

Option 4 ID : 264330311402

Status : Answered

Chosen Option : 1

Q.40 बिंदु A, बिंदु B से 26 m दक्षिण में है। बिंदु C, बिंदु B से 13 m पूर्व में है। बिंदु C, बिंदु D से 39 m उत्तर में है। बिंदु D, बिंदु E से 14 m पश्चिम में है। बिंदु F, बिंदु E से 13 m उत्तर में है। बिंदु G, बिंदु F से 40 m पश्चिम में है। बिंदु H, बिंदु G के उत्तर में है, और बिंदु C के पश्चिम में भी है। बिंदु H, बिंदु F के सापेक्ष किस दिशा में है?

Ans ☒ 1. उत्तर

☒ 2. पश्चिम

☒ 3. उत्तर-पश्चिम

☒ 4. उत्तर-पूर्व

Question ID : 264330131632

Option 1 ID : 264330515629

Option 2 ID : 264330515630

Option 3 ID : 264330515628

Option 4 ID : 264330515627

Status : Answered

Chosen Option : 3

Q.41 Which of the following numbers will replace the question marks (?) in the given series?
4, 17, 34, 53, ?, 105, 136, ?

Ans ☒ 1. 78, 177

☒ 2. 84, 190

☒ 3. 76, 173

☒ 4. 79, 184

Question ID : 26433096010

Option 1 ID : 264330376812

Option 2 ID : 264330376809

Option 3 ID : 264330376810

Option 4 ID : 264330376811

Status : Answered

Chosen Option : 3

Q.42 In a certain code language, 'BOOTS' is coded as '64', and 'SHOES' is coded as '69'. How will 'HEELS' be coded in that language?

- Ans
- ☒ 1. 64
 - ☒ 2. 86
 - ☒ 3. 78
 - ☒ 4. 74

Question ID : 264330144595

Option 1 ID : 264330566637

Option 2 ID : 264330566636

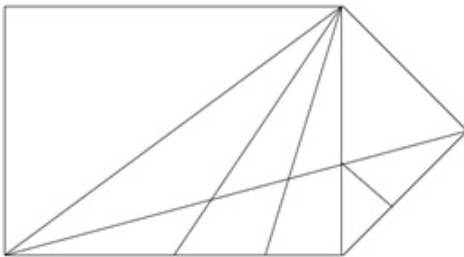
Option 3 ID : 264330566635

Option 4 ID : 264330566638

Status : Answered

Chosen Option : 3

Q.43 How many triangles are there in the given figure?



- Ans
- ☒ 1. 27
 - ☒ 2. 23
 - ☒ 3. 25
 - ☒ 4. 24

Question ID : 26433068403

Option 1 ID : 264330268126

Option 2 ID : 264330268127

Option 3 ID : 264330268124

Option 4 ID : 264330268125

Status : Answered

Chosen Option : 2

Q.44 उस समुच्चय का चयन कीजिए, जिसमें संख्याएं उसी प्रकार संबंधित हैं जिस प्रकार निम्नलिखित समुच्चय की संख्याएं संबंधित हैं।
(नोट: संख्याओं को उसके घटक अंकों में विभाजित किए बिना, पूर्ण संख्याओं पर ही गणितीय संक्रियाएँ की जानी चाहिए। जैसे 13 - मान लीजिए 13 पर गणितीय संक्रियाएँ जैसे कि 13 में जोड़ना/घटाना/गुणा करना आदि किया जा सकता है। 13 को 1 और 3 में तोड़कर और फिर 1 और 3 पर गणितीय संक्रियाएँ करने की अनुमति नहीं है।)

(4, 13, 5)

(2, 13, 9)

Ans ☒ 1. (5, 19, 9)☒ 2. (5, 17, 9)☒ 3. (5, 91, 9)☒ 4. (5, 71, 9)

Question ID : 26433082880

Option 1 ID : 264330325356

Option 2 ID : 264330325354

Option 3 ID : 264330325353

Option 4 ID : 264330325355

Status : Answered

Chosen Option : 3

Q.45 In a certain code language, 'RIGHT' is coded as '87', and 'LEFT' is coded as '59'. How will 'CENTRE' be coded in that language?

Ans ☒ 1. 28☒ 2. 101☒ 3. 90☒ 4. 110

Question ID : 264330144597

Option 1 ID : 264330566643

Option 2 ID : 264330566644

Option 3 ID : 264330566645

Option 4 ID : 264330566646

Status : Answered

Chosen Option : 3

Q.46 P, Q, R, S, T, U, V और W एक वर्गाकार मेज के चारो ओर केंद्र की ओर मुख करके बैठे हैं। उनमें से कुछ कोनों पर बैठे हैं जबकि कुछ भुजाओं के ठीक मध्य में बैठे हैं। P, W के बाईं ओर बगल में और U के दाईं ओर बगल में बैठा है। S, U के बाईं ओर बगल में और T के दाईं ओर बगल में बैठा है। T, R के दाईं ओर बगल में बैठा है। V, R और Q के बीच बैठा है। P के दाईं ओर गिनती करने पर, P और Q के बीच में कौन बैठा है?

Ans ☒ 1. W☒ 2. R☒ 3. S☒ 4. T

Question ID : 26433074620

Option 1 ID : 264330292570

Option 2 ID : 264330292571

Option 3 ID : 264330292568

Option 4 ID : 264330292569

Status : Answered

Chosen Option : 1

Q.47 उस विकल्प का चयन करें जो चौथी संख्या से उसी प्रकार संबंधित है, जिस प्रकार से पहली संख्या दूसरी संख्या से संबंधित है और पांचवीं संख्या छठी संख्या से संबंधित है।

12 : 156 :: ? : 240 :: 22 : 506

Ans ☒ 1. 15

☐ 2. 17

☐ 3. 14

☐ 4. 16

Question ID : 264330144435

Option 1 ID : 264330565996

Option 2 ID : 264330565998

Option 3 ID : 264330565995

Option 4 ID : 264330565997

Status : Answered

Chosen Option : 1

Q.48 उस सही विकल्प का चयन करें, जो निम्नलिखित शब्दों के तार्किक और सार्थक क्रम में व्यवस्थापन को इंगित करता है।

1. विश्व
2. भारत
3. बेंगलोर
4. एशिया
5. कर्नाटक

Ans ☐ 1. 14235

☐ 2. 35412

☒ 3. 35241

☐ 4. 21435

Question ID : 264330131041

Option 1 ID : 264330513278

Option 2 ID : 264330513275

Option 3 ID : 264330513276

Option 4 ID : 264330513277

Status : Answered

Chosen Option : 1

Q.49 दो कथन और उसके बाद I और II क्रमांकित दो निष्कर्ष दिए गए हैं। कथनों को सत्य मानते हुए, भले ही वे सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों, निर्णय लीजिए कि कौन-से निष्कर्ष कथनों का तार्किक रूप से पालन करते हैं?

कथन:

कुछ अपार्टमेंट, बंगले हैं।

कुछ बंगले, फ्लैट हैं।

निष्कर्ष:

I. कुछ अपार्टमेंट, फ्लैट हैं।

II. कुछ फ्लैट, बंगले हैं।

- Ans ☒ 1. केवल निष्कर्ष II पालन करता है
- ☒ 2. निष्कर्ष I और II दोनों पालन करते हैं
- ☒ 3. न तो निष्कर्ष I न ही II पालन करता है
- ☒ 4. केवल निष्कर्ष I पालन करता है

Question ID : 264330144651

Option 1 ID : 264330566860

Option 2 ID : 264330566861

Option 3 ID : 264330566862

Option 4 ID : 264330566859

Status : Answered

Chosen Option : 3

Q.50 उस शब्द-युग्म का चयन करें, जो नीचे दिए गए शब्द-युग्म में व्यक्त किए गए संबंध के समान संबंध को सर्वोत्तम ढंग से निरूपित करता है। (शब्दों को सार्थक शब्द माना जाना चाहिए, और शब्द में अक्षरों की संख्या/व्यंजनों/स्वरों की संख्या के आधार पर शब्द एक-दूसरे से संबंधित नहीं होने चाहिए।)

कुक्कुट (Poultry) : टर्की (Turkey)

- Ans ☒ 1. सेब : केला (Apple : Banana)
- ☒ 2. चिकन : मांस (Chicken : Meat)
- ☒ 3. सब्जी: पालक (Vegetable : Spinach)
- ☒ 4. पालक: हरा (Spinach : Green)

Question ID : 264330131985

Option 1 ID : 264330517038

Option 2 ID : 264330517036

Option 3 ID : 264330517035

Option 4 ID : 264330517037

Status : Answered

Chosen Option : 3

Q.1 निम्नलिखित में से कौन-सा उपभोक्ता बिंदु पर निवल राष्ट्रीय उत्पाद का कुल मूल्य है?

- Ans
- ☐ 1. उपादान लागत पर सकल राष्ट्रीय उत्पाद
 - ☐ 2. बाजार मूल्य पर सकल राष्ट्रीय उत्पाद
 - ☐ 3. उपादान लागत पर निवल राष्ट्रीय उत्पाद
 - ☒ 4. बाजार मूल्य पर निवल राष्ट्रीय उत्पाद

Question ID : 26433065435

Option 1 ID : 264330256301

Option 2 ID : 264330256300

Option 3 ID : 264330256303

Option 4 ID : 264330256302

Status : Answered

Chosen Option : 2

Q.2 Which of the following states did NOT experience the success of the green revolution in the first phase between years mid-60s to mid-70s?

- Ans
- ☐ 1. Punjab
 - ☒ 2. Assam
 - ☐ 3. Tamil Nadu
 - ☐ 4. Andhra Pradesh

Question ID : 264330144390

Option 1 ID : 264330565815

Option 2 ID : 264330565817

Option 3 ID : 264330565818

Option 4 ID : 264330565816

Status : Answered

Chosen Option : 2

Q.3 कार्बनिक रसायन विज्ञान में किस गुणात्मक विधि का उपयोग असंतृप्त कार्बन-कार्बन आबंध परीक्षण के लिए किया जाता है, जैसे एल्कीन या एल्काइन, लेकिन एरोमैटिक कार्बन-कार्बन आबंध के लिए नहीं?

- Ans
- ☐ 1. आयोडोफॉर्म परीक्षण
 - ☐ 2. थैलीन रंजक परीक्षण (phthalein dye test)
 - ☒ 3. बेयर परीक्षण (Bayer Test)
 - ☐ 4. ल्युकास परीक्षण

Question ID : 264330114590

Option 1 ID : 264330450446

Option 2 ID : 264330450445

Option 3 ID : 264330450448

Option 4 ID : 264330450447

Status : Answered

Chosen Option : 2

Q.4 Which organic compound is a toxic aromatic amine with the formula C_6H_7N that is mainly used to make a wide variety of products such as polyurethane foams, agricultural chemicals and synthetic dyes?

- Ans
- ☒ 1. Aniline
 - ☐ 2. Quinoline
 - ☐ 3. Naphthalene
 - ☐ 4. Acridine

Question ID : 264330141682

Option 1 ID : 264330555047

Option 2 ID : 264330555049

Option 3 ID : 264330555048

Option 4 ID : 264330555050

Status : Answered

Chosen Option : 2

Q.5 The steppe biome is a dry, grassland habitat found on all continents EXCEPT, Australia and Antarctica. In which climate does it mainly occur?

- Ans
- ☐ 1. Continental climates
 - ☐ 2. Alpine climates
 - ☒ 3. Temperate climates
 - ☐ 4. Tropical climates

Question ID : 264330113787

Option 1 ID : 264330447236

Option 2 ID : 264330447235

Option 3 ID : 264330447233

Option 4 ID : 264330447234

Status : Answered

Chosen Option : 2

Q.6 Which of the following is NOT a transition metal?

- Ans
- ☐ 1. Cu
 - ☒ 2. Mg
 - ☐ 3. Ni
 - ☐ 4. Co

Question ID : 264330131778

Option 1 ID : 264330516214

Option 2 ID : 264330516213

Option 3 ID : 264330516212

Option 4 ID : 264330516211

Status : Answered

Chosen Option : 3

Q.7 On which date did the members of the Constituent Assembly append their signatures to the Constitution of India?

- Ans**
- ☐ 1. 22 January 1950
 - ☐ 2. 23 January 1950
 - ☐ 3. 25 January 1950
 - ☒ 4. 24 January 1950

Question ID : 26433064702
Option 1 ID : 264330253400
Option 2 ID : 264330253401
Option 3 ID : 264330253403
Option 4 ID : 264330253402
Status : Answered
Chosen Option : 3

Q.8 How many pairs of gill slits are present in the members of class cyclostomata of phylum vertebrata?

- Ans**
- ☒ 1. 6-15
 - ☐ 2. 7-18
 - ☐ 3. 4-11
 - ☐ 4. 5-13

Question ID : 264330113320
Option 1 ID : 264330445367
Option 2 ID : 264330445368
Option 3 ID : 264330445365
Option 4 ID : 264330445366
Status : Answered
Chosen Option : 3

Q.9 According to the Census of India 2011, what is the literacy rate of the state of Bihar?

- Ans**
- ☐ 1. 62.4%
 - ☐ 2. 65.7%
 - ☐ 3. 63.6%
 - ☒ 4. 61.8%

Question ID : 264330119817
Option 1 ID : 264330469544
Option 2 ID : 264330469546
Option 3 ID : 264330469543
Option 4 ID : 264330469545
Status : Answered
Chosen Option : 3

Q.10 Which of the following factors is responsible for moderate to heavy rain in low-lying areas and heavy snow to mountainous areas of the Indian Subcontinent during winters?

- Ans
- ☒ 1. South west monsoon
 - ☒ 2. Conventional rain
 - ☒ 3. South east monsoon
 - ☒ 4. Western disturbances

Question ID : 264330131812

Option 1 ID : 264330516347

Option 2 ID : 264330516349

Option 3 ID : 264330516350

Option 4 ID : 264330516348

Status : Answered

Chosen Option : 3

Q.11 Which of the following is an example of the Indo-Saracenic style of architecture built in the year 1912 for the 24th ruler of the Wodeyar dynasty?

- Ans
- ☒ 1. Lalgarh Palace
 - ☒ 2. Chowmahalla Palace
 - ☒ 3. Mysore Palace
 - ☒ 4. Ujjayanta Palace

Question ID : 26433072656

Option 1 ID : 264330284886

Option 2 ID : 264330284885

Option 3 ID : 264330284884

Option 4 ID : 264330284887

Status : Answered

Chosen Option : 2

Q.12 According to Koeppen's Scheme, which type of climate is denoted by 'BShw' in India?

- Ans
- ☒ 1. Semi-arid steppe climate
 - ☒ 2. Hot Desert
 - ☒ 3. Polar type
 - ☒ 4. Monsoon with dry summer

Question ID : 264330132722

Option 1 ID : 264330519984

Option 2 ID : 264330519985

Option 3 ID : 264330519986

Option 4 ID : 264330519983

Status : Answered

Chosen Option : 2

Q.13 Up to which financial year has the Start-Ups Intellectual Property Protection Scheme, launched in 2016 by the Ministry of Commerce and Industry been extended?

- Ans ☒ 1. FY 2023
☐ 2. FY 2024
☐ 3. FY 2026
☐ 4. FY 2027

Question ID : 264330156912
Option 1 ID : 264330615025
Option 2 ID : 264330615023
Option 3 ID : 264330615024
Option 4 ID : 264330615026
Status : Answered
Chosen Option : 2

Q.14 During which census enumeration did the Registrar General of India provide for the first time three codes for enumeration i.e., Male-1, Female-2 and Others-3?

- Ans ☐ 1. 1981
☐ 2. 1991
☐ 3. 2001
☒ 4. 2011

Question ID : 264330111345
Option 1 ID : 264330437468
Option 2 ID : 264330437467
Option 3 ID : 264330437465
Option 4 ID : 264330437466
Status : Answered
Chosen Option : 2

Q.15 Which country is associated with the 'Navam Perahera' festival?

- Ans ☐ 1. Bangladesh
☒ 2. Sri Lanka
☐ 3. Bhutan
☐ 4. Nepal

Question ID : 264330113304
Option 1 ID : 264330445304
Option 2 ID : 264330445301
Option 3 ID : 264330445302
Option 4 ID : 264330445303
Status : Answered
Chosen Option : 2

Q.16 Who among the following launched the Ombudsperson App for the Mahatma Gandhi National Rural Employment Guarantee Act in February 2022?

- Ans ☒ 1. Giriraj Singh
☐ 2. Parshottam Rupala
☐ 3. Piyush Goyal
☐ 4. Sarbananda Sonowal

Question ID : 26433090634
Option 1 ID : 264330355960
Option 2 ID : 264330355957
Option 3 ID : 264330355959
Option 4 ID : 264330355958
Status : Answered
Chosen Option : 3

Q.17 According to the Census of India 2011, which of the following states has the highest Hindu population percentage of total population?

- Ans ☐ 1. Uttar Pradesh
☐ 2. Haryana
☒ 3. Himachal Pradesh
☐ 4. Madhya Pradesh

Question ID : 264330157088
Option 1 ID : 264330615724
Option 2 ID : 264330615725
Option 3 ID : 264330615723
Option 4 ID : 264330615726
Status : Answered
Chosen Option : 3

Q.18 Sangeet Natak Akademi, the National Academy of Music, Dance and Drama in the meeting of its General Council held in November 2022 in New Delhi awarded the Ustad Bismillah Khan Yuva Puraskar 2021 in the field of Hindustani vocal music to _____.

- Ans ☐ 1. Rudra Shankar Mishra
☐ 2. Kalamandalam Adithyan
☐ 3. Pavitra Krishna Bhat
☒ 4. Janki Mithaiwala

Question ID : 264330137256
Option 1 ID : 264330537653
Option 2 ID : 264330537654
Option 3 ID : 264330537652
Option 4 ID : 264330537651
Status : Answered
Chosen Option : 3

Q.19 To which of the following gharanas of music does tabla maestro Zakir Hussain belong?

- Ans ☒ 1. Farrukhabad
☒ 2. Delhi
☒ 3. Punjab
☒ 4. Lucknow

Question ID : 26433066683
 Option 1 ID : 264330261259
 Option 2 ID : 264330261258
 Option 3 ID : 264330261256
 Option 4 ID : 264330261257
 Status : Answered
 Chosen Option : 3

Q.20 Match the columns.

State	Name of primitive form of cultivation
1. Andhra Pradesh	a. Podu
2. Jharkhand	b. Koman
3. Odisha	c. Kuruwa

- Ans ☒ 1. 1-a, 2-b, 3-c
☒ 2. 1-c, 2-b, 3-a
☒ 3. 1-b, 2-a, 3-c
☒ 4. 1-a, 2-c, 3-b

Question ID : 264330132713
 Option 1 ID : 264330519950
 Option 2 ID : 264330519947
 Option 3 ID : 264330519948
 Option 4 ID : 264330519949
 Status : Answered
 Chosen Option : 2

Q.21 Which treaty led to the surrender of nearly half of the territory of Mysore State to the East India Company?

- Ans ☒ 1. Seringapatam
☒ 2. Dindigul
☒ 3. Madras
☒ 4. Mangalore

Question ID : 264330112163
 Option 1 ID : 264330440739
 Option 2 ID : 264330440740
 Option 3 ID : 264330440738
 Option 4 ID : 264330440737
 Status : Answered
 Chosen Option : 2

Q.22 The POSHAN Abhiyaan launched in 2018 focuses on the nutritional status of adolescent girls, pregnant women, lactating mothers and children of which age group?

- Ans ☒ 1. 0-6 years
☐ 2. 2-5 years
☐ 3. 3-6 years
☐ 4. 1-3 years

Question ID : 264330113785
Option 1 ID : 264330447226
Option 2 ID : 264330447228
Option 3 ID : 264330447225
Option 4 ID : 264330447227
Status : Answered
Chosen Option : 2

Q.23 How do web browsers use Hyperlinks?

- Ans ☐ 1. To analyse internet traffic patterns
☐ 2. To store passwords securely
☒ 3. To navigate between web pages and resources
☐ 4. To display advertisements on websites

Question ID : 264330168578
Option 1 ID : 264330661126
Option 2 ID : 264330661123
Option 3 ID : 264330661124
Option 4 ID : 264330661125
Status : Answered
Chosen Option : 2

Q.24 Where was the 2021 Men's FIH Hockey Junior World Cup held?

- Ans ☐ 1. Kolkata
☒ 2. Bhubaneswar
☐ 3. Indore
☐ 4. Ranchi

Question ID : 264330119264
Option 1 ID : 264330467343
Option 2 ID : 264330467345
Option 3 ID : 264330467346
Option 4 ID : 264330467344
Status : Answered
Chosen Option : 2

Q.25 निम्नलिखित में से कौन-सा विकल्प, कृत्रिम पारिस्थितिकी तंत्र का निरूपण करता है?

- Ans ☒ 1. मछली फार्म, चिड़ियाघर, ग्रीन हाउस और जल-संवर्धन
- ☐ 2. चिड़ियाघर, राष्ट्रीय उद्यान, वन और तालाब पारिस्थितिकी तंत्र
- ☐ 3. फसल पारिस्थितिकी तंत्र, वन और चरागाह पारिस्थितिकी तंत्र
- ☐ 4. मछली फार्म, वन और महासागर पारिस्थितिकी तंत्र

Question ID : 264330112832

Option 1 ID : 264330443414

Option 2 ID : 264330443416

Option 3 ID : 264330443413

Option 4 ID : 264330443415

Status : Answered

Chosen Option : 2

Q.26 Who shall have the duty to give advice to the Government of India upon legal matters from time to time as per Article 76 of the Constitution of India?

- Ans ☒ 1. Attorney General
- ☐ 2. Prime Minister
- ☐ 3. Chief Justice of India
- ☐ 4. Advocate General

Question ID : 264330130686

Option 1 ID : 264330511858

Option 2 ID : 264330511855

Option 3 ID : 264330511856

Option 4 ID : 264330511857

Status : Answered

Chosen Option : 3

Q.27 In terms of trophic dynamics, wolf, Komodo dragon and crocodile are defined as:-

- Ans ☐ 1. herbivores
- ☒ 2. apex predators
- ☐ 3. detritivores
- ☐ 4. decomposers

Question ID : 264330110084

Option 1 ID : 264330432615

Option 2 ID : 264330432613

Option 3 ID : 264330432614

Option 4 ID : 264330432616

Status : Answered

Chosen Option : 3

Q.28 What is World Wide Web?

- Ans ☒ 1. A collection of interconnected computer networks.
- ☒ 2. A web browser used for accessing online content.
- ☒ 3. A collection of websites and web pages accessible over the internet.
- ☒ 4. A software application for browsing the internet.

Question ID : 264330168580

Option 1 ID : 264330661131

Option 2 ID : 264330661134

Option 3 ID : 264330661133

Option 4 ID : 264330661132

Status : Answered

Chosen Option : 3

Q.29 Match the hills in column A with their locations/regions in column B.

Column A (Hills)	Column B(Location/regions)
1. Shevaroy Hills	a. Eastern Ghats
2. Doddabetta	b. Western Ghats
3. Khasi Hills	c. Meghalaya Plateau

- Ans ☒ 1. 1-a, 2-c, 3-b
- ☒ 2. 1-b, 2-c, 3-a
- ☒ 3. 1-b, 2-a, 3-c
- ☒ 4. 1-a, 2-b, 3-c

Question ID : 264330157079

Option 1 ID : 264330615687

Option 2 ID : 264330615688

Option 3 ID : 264330615690

Option 4 ID : 264330615689

Status : Answered

Chosen Option : 3

Q.30 The Reserve Bank of India introduced a comprehensive regulatory framework for NBFC-MFI on _____.

- Ans ☒ 1. 8 December 2013
- ☒ 2. 2 December 2011
- ☒ 3. 10 December 2015
- ☒ 4. 5 December 2012

Question ID : 264330144415

Option 1 ID : 264330565917

Option 2 ID : 264330565915

Option 3 ID : 264330565918

Option 4 ID : 264330565916

Status : Answered

Chosen Option : 3

Q.31 In which year was the climate classification first published in Russian as 'thermal zones of the earth'?

- Ans ☒ 1. 1884
☒ 2. 1895
☒ 3. 1991
☒ 4. 1890

Question ID : 264330131015
Option 1 ID : 264330513171
Option 2 ID : 264330513173
Option 3 ID : 264330513174
Option 4 ID : 264330513172
Status : Answered
Chosen Option : 2

Q.32 'Serve to Win' is the autobiography of _____.

- Ans ☒ 1. Serena Williams
☒ 2. Novak Djokovic
☒ 3. Pullela Gopichand
☒ 4. Rafael Nadal

Question ID : 264330110334
Option 1 ID : 264330433615
Option 2 ID : 264330433616
Option 3 ID : 264330433613
Option 4 ID : 264330433614
Status : Answered
Chosen Option : 2

Q.33 The Constitution (Scheduled Tribes) Order (Third Amendment) Bill, 2022, which has been passed by the Lok Sabha seeks to amend the Constitution (Scheduled Tribes) Order, 1950, with respect to its application to which of the following states?

- Ans ☒ 1. West Bengal
☒ 2. Himachal Pradesh
☒ 3. Uttar Pradesh
☒ 4. Odisha

Question ID : 264330158472
Option 1 ID : 264330621248
Option 2 ID : 264330621249
Option 3 ID : 264330621250
Option 4 ID : 264330621247
Status : Answered
Chosen Option : 2

Q.34 The headquarters of National Aluminium Company Limited (NALCO) is located at _____.

- Ans
- ☒ 1. Chennai
 - ☒ 2. Bhopal
 - ☒ 3. Bhubaneswar
 - ☒ 4. Jaipur

Question ID : 264330113273

Option 1 ID : 264330445180

Option 2 ID : 264330445177

Option 3 ID : 264330445178

Option 4 ID : 264330445179

Status : Answered

Chosen Option : 2

Q.35 Ashtangika Marga, which guides us in eliminating human misery is concerned with which religion?

- Ans
- ☒ 1. Vaishnavism
 - ☒ 2. Buddhism
 - ☒ 3. Saivism
 - ☒ 4. Jainism

Question ID : 264330112126

Option 1 ID : 264330440592

Option 2 ID : 264330440591

Option 3 ID : 264330440589

Option 4 ID : 264330440590

Status : Answered

Chosen Option : 2

Q.36 Which of the following food additives have nutritive value?

- Ans
- ☒ 1. Antioxidants
 - ☒ 2. Preservatives
 - ☒ 3. Food colours
 - ☒ 4. Nutritional supplements

Question ID : 264330113347

Option 1 ID : 264330445474

Option 2 ID : 264330445475

Option 3 ID : 264330445473

Option 4 ID : 264330445476

Status : Answered

Chosen Option : 3

Q.37 Who among the following members participate in the election of the Vice President of India?

- Ans
- ☐ 1. Legislative assembly members of all States
 - ☐ 2. Legislative members of all States and Union Territories
 - ☐ 3. Elected members of the Parliament
 - ☒ 4. Elected and nominated members of the Parliament

Question ID : 264330120159
Option 1 ID : 264330470891
Option 2 ID : 264330470892
Option 3 ID : 264330470893
Option 4 ID : 264330470894
Status : Answered
Chosen Option : 3

Q.38 Who among the following people is exempted from the applicability of Fundamental Duties?

- Ans
- ☐ 1. All government officials
 - ☒ 2. Foreigners who visit India
 - ☐ 3. Armed personnel
 - ☐ 4. Those below 21 years

Question ID : 264330130443
Option 1 ID : 264330510885
Option 2 ID : 264330510884
Option 3 ID : 264330510886
Option 4 ID : 264330510883
Status : Answered
Chosen Option : 3

Q.39 Which semi-essential amino acid plays an important role in your body's immune function, digestion, sleep and sexual function?

- Ans
- ☐ 1. Valine
 - ☐ 2. Arginine
 - ☒ 3. Histidine
 - ☐ 4. Leucine

Question ID : 264330110071
Option 1 ID : 264330432562
Option 2 ID : 264330432561
Option 3 ID : 264330432564
Option 4 ID : 264330432563
Status : Answered
Chosen Option : 3

Q.40 Directive Principles of State Policy is taken from which country's constitution?

- Ans ☒ 1. The UK
☒ 2. Ireland
☒ 3. France
☒ 4. The US

Question ID : 264330111530
Option 1 ID : 264330438208
Option 2 ID : 264330438205
Option 3 ID : 264330438206
Option 4 ID : 264330438207
Status : Answered
Chosen Option : 3

Q.41 Before the foundation of the Vijayanagar empire, Harihar and Bukka were the nobles of which of the following dynasties?

- Ans ☒ 1. Chalukya of Badami
☒ 2. Kakatiya of Warangal
☒ 3. Chera of Kerala
☒ 4. Hoysala of Madurai

Question ID : 26433089197
Option 1 ID : 264330350305
Option 2 ID : 264330350307
Option 3 ID : 264330350308
Option 4 ID : 264330350306
Status : Answered
Chosen Option : 2

Q.42 The Poona Pact was concerned with providing representation to which of the following classes or communities?

- Ans ☒ 1. Sikh
☒ 2. Muslim
☒ 3. Depressed class
☒ 4. Anglo-Indian

Question ID : 264330109036
Option 1 ID : 264330428421
Option 2 ID : 264330428423
Option 3 ID : 264330428424
Option 4 ID : 264330428422
Status : Answered
Chosen Option : 2

Q.43 On 7th February 2023, Ministry of Social Justice & Empowerment, GOI, set up 12 Garima Greh Shelter Home for _____ on pilot basis in nine States.

Ans ☒ 1. transgender persons

☒ 2. flood affected persons

☒ 3. senior citizens

☒ 4. homeless women

Question ID : 264330132613

Option 1 ID : 264330519547

Option 2 ID : 264330519550

Option 3 ID : 264330519548

Option 4 ID : 264330519549

Status : Answered

Chosen Option : 2

Q.44 What are the basic components of Portland cement?

Ans ☒ 1. CaO, SiO₂, Al₂O₃, Fe₂O₃

☒ 2. CaOCl₃, MgSO₄, Al₂(SO₄)₃, ZnSO₄

☒ 3. CaCl₂, MgCl₂, Al₂(SO₄)₃, ZnSO₄

☒ 4. ZnSO₄, CaCl₂, Al₂(SO₄)₃, CuSO₄

Question ID : 264330118020

Option 1 ID : 264330463895

Option 2 ID : 264330463897

Option 3 ID : 264330463896

Option 4 ID : 264330463898

Status : Answered

Chosen Option : 2

Q.45 Ustad Vilayat Khan was related to the musical instrument called _____.

Ans ☒ 1. sitar

☒ 2. sarangi

☒ 3. sarod

☒ 4. tabla

Question ID : 26433082112

Option 1 ID : 264330322284

Option 2 ID : 264330322283

Option 3 ID : 264330322281

Option 4 ID : 264330322282

Status : Answered

Chosen Option : 2

Q.46 Which of the following statements is INCORRECT with respect to Start-Up India Seed Fund Scheme?

- Ans ☒ 1. ₹845 crore will be provided as seed fund.
- ☒ 2. It was launched in 2021.
- ☒ 3. The number of estimated beneficiaries are 3,600 start-ups through 300 incubators.
- ☒ 4. It is being implemented by the Ministry of Commerce and Industry.

Question ID : 264330156923

Option 1 ID : 264330615069

Option 2 ID : 264330615067

Option 3 ID : 264330615070

Option 4 ID : 264330615068

Status : Answered

Chosen Option : 3

Q.47 In which of the following dances the basic dance formation is that of a circle that moves counter-clockwise, where dancers form concentric circles that move in opposite directions?

- Ans ☒ 1. Garba
- ☒ 2. Tamasha
- ☒ 3. Suggi
- ☒ 4. Ras lila

Question ID : 264330130866

Option 1 ID : 264330512575

Option 2 ID : 264330512576

Option 3 ID : 264330512578

Option 4 ID : 264330512577

Status : Answered

Chosen Option : 3

Q.48 The Indus system is one of the largest river basins in the world, covering a total length of how many kilometres in India?

- Ans ☒ 1. 2,580 km
- ☒ 2. 1,114 km
- ☒ 3. 3,800 km
- ☒ 4. 2,890 km

Question ID : 26433086904

Option 1 ID : 264330341258

Option 2 ID : 264330341257

Option 3 ID : 264330341260

Option 4 ID : 264330341259

Status : Answered

Chosen Option : 3

Q.49 एक प्रसिद्ध भारतीय अभिनेत्री वैजयंतीमाला निम्नलिखित में से किस नृत्य शैली की भी प्रतिपादक थीं?

- Ans ☒ 1. भरतनाट्यम
- ☐ 2. ओडिसी
- ☐ 3. कथक
- ☐ 4. कुचिपुड़ी

Question ID : 26433064805
 Option 1 ID : 264330253812
 Option 2 ID : 264330253814
 Option 3 ID : 264330253815
 Option 4 ID : 264330253813
 Status : Answered
 Chosen Option : 3

Q.50 स्वामी विवेकानंद के संगठन _____ ने समाज सेवा और निःस्वार्थ श्रम के माध्यम से मुक्ति के आदर्श पर बल दिया।

- Ans ☐ 1. वैदिक समाज
- ☐ 2. बहिष्कृत हितकारिणी सभा
- ☒ 3. रामकृष्ण मिशन
- ☐ 4. साधारण ब्रह्म समाज

Question ID : 264330111418
 Option 1 ID : 264330437757
 Option 2 ID : 264330437758
 Option 3 ID : 264330437759
 Option 4 ID : 264330437760
 Status : Answered
 Chosen Option : 3

Section : General Engineering Electrical

Q.1 Find the most economical size of a single core cable working on a 100 kV single phase system and the maximum permissible stress in the dielectric is not to exceed $50\sqrt{2}$ kV/cm.

- Ans ☐ 1. 8 cm
- ☐ 2. 10 cm
- ☒ 3. 4 cm
- ☐ 4. 0 cm

Question ID : 26433099258
 Option 1 ID : 264330389646
 Option 2 ID : 264330389647
 Option 3 ID : 264330389645
 Option 4 ID : 264330389648
 Status : Answered
 Chosen Option : 2

Q.2 Which of the following defines the use of a thermostat in an electric kettle?

- Ans** ☒ 1. It is used to stop the flow of electricity through the heating element once the appropriate temperature is reached.
- ☐ 2. It is used to reduce the temperature in case of overheating of the heating element.
- ☐ 3. It is used to maintain the temperature inside the kettle.
- ☐ 4. It is used to compare the ambient temperature with the temperature inside the kettle.

Question ID : 264330100092

Option 1 ID : 264330392943

Option 2 ID : 264330392944

Option 3 ID : 264330392941

Option 4 ID : 264330392942

Status : Answered

Chosen Option : 2

Q.3 In commercial multimeters, to obtain the same deflection on corresponding DC and AC voltage ranges, the multiplier for AC range is to be _____.

- Ans** ☐ 1. increased proportionately
- ☐ 2. kept the same
- ☐ 3. dependent on the duration of testing
- ☒ 4. lowered proportionately

Question ID : 264330157596

Option 1 ID : 264330617744

Option 2 ID : 264330617745

Option 3 ID : 264330617746

Option 4 ID : 264330617743

Status : Answered

Chosen Option : 2

Q.4 The no load ratio of a 50 Hz single-phase transformer is 2000/200 V. The maximum flux in the core is 0.05 Wb. What is the approximate number of primary turns?

- Ans** ☐ 1. 145 turns
- ☐ 2. 100 turns
- ☐ 3. 200 turns
- ☒ 4. 180 turns

Question ID : 264330100785

Option 1 ID : 264330395686

Option 2 ID : 264330395685

Option 3 ID : 264330395688

Option 4 ID : 264330395687

Status : Answered

Chosen Option : 2

Q.5 विद्युत चुंबकीय प्रेरण में, फ्लेमिंग के दाएं हाथ के नियम के अनुसार, तर्जनी (forefinger) _____ को निरूपित करती है।

- Ans
- ☒ 1. प्रेरित ईएमएफ (EMF) की दिशा
 - ☒ 2. प्रेरित धारा की दिशा
 - ☒ 3. चालक की गति की दिशा
 - ☒ 4. चुंबकीय क्षेत्र की दिशा

Question ID : 264330157613

Option 1 ID : 264330617814

Option 2 ID : 264330617813

Option 3 ID : 264330617811

Option 4 ID : 264330617812

Status : Answered

Chosen Option : 4

Q.6 Which of the following statements regarding the spinning reserve is/are true?

- A) It is the reserve capacity which is in operation, but not available for service.
- B) It acts as a cushion in case of emergency requirements.
- C) It is a capacity which is always connected to the bus and is used in case of need.

- Ans
- ☒ 1. A and B
 - ☒ 2. B and C
 - ☒ 3. A and C
 - ☒ 4. Only B

Question ID : 264330158061

Option 1 ID : 264330619606

Option 2 ID : 264330619605

Option 3 ID : 264330619604

Option 4 ID : 264330619603

Status : Answered

Chosen Option : 2

Q.7 The range of a moving iron ammeter can be extended by using a _____.

- Ans
- ☒ 1. multiplier connected in series with an ammeter
 - ☒ 2. shunt connected in parallel with an ammeter
 - ☒ 3. shunt connected in series with an ammeter
 - ☒ 4. multiplier connected in parallel with an ammeter

Question ID : 264330160644

Option 1 ID : 264330629910

Option 2 ID : 264330629907

Option 3 ID : 264330629908

Option 4 ID : 264330629909

Status : Answered

Chosen Option : 3

Q.8 According to IS (Indian Standard) specification 1180-1964 for outdoor type distribution transformer, the tapings shall be provided on hv side in _____.

- Ans ☒ 1. 6 steps
☒ 2. 5 steps
☒ 3. 3 steps
☒ 4. 2 steps

Question ID : 264330100797

Option 1 ID : 264330395736

Option 2 ID : 264330395735

Option 3 ID : 264330395734

Option 4 ID : 264330395733

Status : Answered

Chosen Option : 2

Q.9 A wire of resistance $88\ \Omega$ is stretched to twice its original length. The resistance of a stretched wire would be _____.

- Ans ☒ 1. $176\ \Omega$
☒ 2. $352\ \Omega$
☒ 3. $88\ \Omega$
☒ 4. $22\ \Omega$

Question ID : 26433096405

Option 1 ID : 264330378359

Option 2 ID : 264330378360

Option 3 ID : 264330378358

Option 4 ID : 264330378357

Status : Answered

Chosen Option : 2

Q.10 A moving coil instrument gives a full scale deflection of 10 mA when the potential difference across its terminals is 100 mV. Calculate the shunt resistance for full scale deflection which corresponds to 200 A?

- Ans ☒ 1. $500.02\ \text{m}\Omega$
☒ 2. $50.02\ \text{m}\Omega$
☒ 3. $500.02\ \mu\Omega$
☒ 4. $50.02\ \mu\Omega$

Question ID : 264330157595

Option 1 ID : 264330617740

Option 2 ID : 264330617739

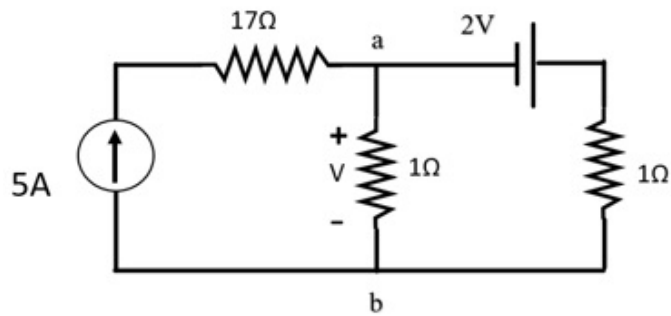
Option 3 ID : 264330617742

Option 4 ID : 264330617741

Status : Answered

Chosen Option : 2

Q.11 Find the value of V in the circuit shown below.



- Ans
- ☒ 1. 0V
 - ☒ 2. 3V
 - ☒ 3. 1.5V
 - ☒ 4. -1.5V

Question ID : 26433096478
 Option 1 ID : 264330378651
 Option 2 ID : 264330378652
 Option 3 ID : 264330378650
 Option 4 ID : 264330378649
 Status : Answered
 Chosen Option : 2

Q.12 If the energy stored in a 5H inductor is 160 joules, then calculate the current passing through it.

- Ans
- ☒ 1. 64 A
 - ☒ 2. 10 A
 - ☒ 3. 8 A
 - ☒ 4. 18 A

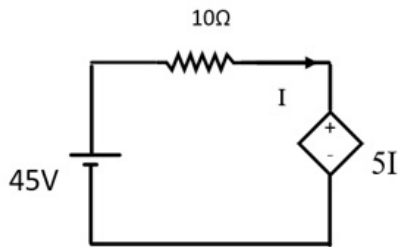
Question ID : 264330160225
 Option 1 ID : 264330628240
 Option 2 ID : 264330628241
 Option 3 ID : 264330628239
 Option 4 ID : 264330628242
 Status : Answered
 Chosen Option : 2

Q.13 In case of heating effect, if 1 calorie of heat energy is converted into joules, then its value will be _____.

- Ans
- ☒ 1. 3.743 joules
 - ☒ 2. 4.186 joules
 - ☒ 3. 1.853 joules
 - ☒ 4. 2.563 joules

Question ID : 264330157609
 Option 1 ID : 264330617797
 Option 2 ID : 264330617798
 Option 3 ID : 264330617796
 Option 4 ID : 264330617795
 Status : Answered
 Chosen Option : 1

Q.14 In the circuit shown below, the power delivered by the dependent voltage source is:



- Ans
- ☒ 1. 45 W
 - ☒ 2. -15 W
 - ☒ 3. 0 W
 - ☒ 4. -45 W

Question ID : 26433096456

Option 1 ID : 264330378561

Option 2 ID : 264330378562

Option 3 ID : 264330378564

Option 4 ID : 264330378563

Status : Answered

Chosen Option : 4

Q.15 In a three-phase balanced star connected system, which of the following will hold true? [ϕ is the angle between phase voltage and phase current.]

- Ans
- ☒ 1. The angle between line currents and the corresponding line voltages is $30^\circ + \phi$ for lagging.
 - ☒ 2. The angle between line currents and the corresponding line voltages is $30^\circ - \phi$ for lagging.
 - ☒ 3. The angle between line currents and the corresponding line voltages is $30^\circ + \phi$ for leading.
 - ☒ 4. The angle between line currents and the corresponding line voltages are in phase.

Question ID : 26433098299

Option 1 ID : 264330385850

Option 2 ID : 264330385852

Option 3 ID : 264330385851

Option 4 ID : 264330385849

Status : Answered

Chosen Option : 1

Q.16 The instantaneous current in a circuit is given by $i = 4 \cos(\omega t + \theta)$ A. The RMS value of the current is:

Ans

☒ 1. $3\sqrt{3}$ A

☒ 2. $2\sqrt{2}$ A

☒ 3. zero

☒ 4. $4\sqrt{2}$ A

Question ID : 264330159428

Option 1 ID : 264330625072

Option 2 ID : 264330625071

Option 3 ID : 264330625074

Option 4 ID : 264330625073

Status : Answered

Chosen Option : 4

Q.17 Which of the following statements are INCORRECT about PMMC instruments?

I. The torque-to-weight ratio is high, which gives a high accuracy.

II. A single instrument can be used for several, different current voltage ranges by using the instrument transformer.

III. The scale is uniformly divided.

IV. The cost of PMMC instruments is lower than that of moving iron instruments.

Ans

☒ 1. Only II and III

☒ 2. Only II and IV

☒ 3. Only I and III

☒ 4. Only I and IV

Question ID : 264330160645

Option 1 ID : 264330629912

Option 2 ID : 264330629914

Option 3 ID : 264330629911

Option 4 ID : 264330629913

Status : Answered

Chosen Option : 3

Q.18 The cable rating suitable for connecting the load of 3 kW to a single phase supply of 230 V is _____.

Ans

☒ 1. 5 A

☒ 2. 20 A

☒ 3. 10 A

☒ 4. 15 A

Question ID : 264330122636

Option 1 ID : 264330480655

Option 2 ID : 264330480658

Option 3 ID : 264330480656

Option 4 ID : 264330480657

Status : Answered

Chosen Option : 3

Q.19 In electromagnetic induction, Lenz's law directly follows ____.

- Ans
- ☒ 1. Faraday's second law
 - ☒ 2. the law of conservation of energy
 - ☒ 3. Laplace's law
 - ☒ 4. Faraday's first law

Question ID : 264330157614

Option 1 ID : 264330617817

Option 2 ID : 264330617818

Option 3 ID : 264330617815

Option 4 ID : 264330617816

Status : Answered

Chosen Option : 2

Q.20 Mechanical losses in a synchronous motor include:

- Ans
- ☒ 1. friction and windage losses
 - ☒ 2. Eddy current losses in the stator
 - ☒ 3. Joule losses in the rotor winding
 - ☒ 4. core losses in the laminations

Question ID : 264330164907

Option 1 ID : 264330646757

Option 2 ID : 264330646758

Option 3 ID : 264330646756

Option 4 ID : 264330646755

Status : Answered

Chosen Option : 2

Q.21 If the peak value of an alternating current is 8 A, then the RMS value of the current will be _____.

- Ans
- ☒ 1. $3\sqrt{2}$ A
 - ☒ 2. $\sqrt{3}$ A
 - ☒ 3. $4\sqrt{2}$ A
 - ☒ 4. $2\sqrt{3}$ A

Question ID : 264330159429

Option 1 ID : 264330625076

Option 2 ID : 264330625077

Option 3 ID : 264330625075

Option 4 ID : 264330625078

Status : Answered

Chosen Option : 3

Q.22 The armature resistance of a 220 volt DC machine is 0.5 ohm. What is the value of the back EMF when the machine functions as a motor if the full load armature current is 25 amps?

- Ans ☒ 1. 209 V
☒ 2. 207.5 V
☒ 3. 207 V
☒ 4. 210 V

Question ID : 264330162902
Option 1 ID : 264330638923
Option 2 ID : 264330638924
Option 3 ID : 264330638925
Option 4 ID : 264330638926
Status : Answered
Chosen Option : 2

Q.23 In Electromagnetism, the field pattern of a magnetic field inside the toroid is _____.

- Ans ☒ 1. uniform
☒ 2. non-uniform
☒ 3. parabolic
☒ 4. hyperbolic

Question ID : 264330160489
Option 1 ID : 264330629289
Option 2 ID : 264330629290
Option 3 ID : 264330629287
Option 4 ID : 264330629288
Status : Answered
Chosen Option : 3

Q.24 When one tenant re-lets space to another under the terms of their own lease, it is called _____.

- Ans ☒ 1. perpetual lease
☒ 2. sublease
☒ 3. building lease
☒ 4. occupational lease

Question ID : 264330158159
Option 1 ID : 264330619995
Option 2 ID : 264330619997
Option 3 ID : 264330619998
Option 4 ID : 264330619996
Status : Answered
Chosen Option : 3

Q.25 In a series connection of inductances, L_1 and L_2 are inductances and M is the mutual inductance. Find the total inductance.

- Ans ☒ 1. $L_1 + L_2 + 2M$
☒ 2. $L_1 + L_2 - 2M$
☒ 3. $L_1 + L_2 + M$
☒ 4. $L_1 + L_2 - M$

Question ID : 264330157619

Option 1 ID : 264330617837

Option 2 ID : 264330617838

Option 3 ID : 264330617835

Option 4 ID : 264330617836

Status : Answered

Chosen Option : 2

Q.26 In the application of electrical and magnetic circuits, the heater element in an electric iron is manufactured by using _____.

- Ans ☒ 1. iron
☒ 2. nichrome
☒ 3. tungsten
☒ 4. copper

Question ID : 264330157598

Option 1 ID : 264330617751

Option 2 ID : 264330617754

Option 3 ID : 264330617752

Option 4 ID : 264330617753

Status : Answered

Chosen Option : 2

Q.27 In a shaded-pole induction motor, in the core, when a _____ phase is applied, a/an _____ flux is generated.

- Ans ☒ 1. single; constant
☒ 2. three; alternating
☒ 3. three; constant
☒ 4. single; alternating

Question ID : 264330164884

Option 1 ID : 264330646664

Option 2 ID : 264330646665

Option 3 ID : 264330646666

Option 4 ID : 264330646663

Status : Answered

Chosen Option : 4

Q.28 How many windings are present in auto transformers?

Ans ☒ 1. 2

☒ 2. 1

☒ 3. 4

☒ 4. 3

Question ID : 264330100790

Option 1 ID : 264330395706

Option 2 ID : 264330395707

Option 3 ID : 264330395705

Option 4 ID : 264330395708

Status : Answered

Chosen Option : 4

Q.29 Find the common base configuration current gain of a transistor, if the common emitter configuration current gain of the transistor is 50.

Ans ☒ 1. 0.99

☒ 2. 1

☒ 3. 0.97

☒ 4. 0.98

Question ID : 264330159768

Option 1 ID : 264330626420

Option 2 ID : 264330626422

Option 3 ID : 264330626421

Option 4 ID : 264330626419

Status : Answered

Chosen Option : 2

Q.30 The candle power of a lamp placed normal to a working plane is 40 candle power. Find the distance if the illumination is 10 lux?

Ans ☒ 1. 2 m

☒ 2. 1.414 m

☒ 3. 3 m

☒ 4. 2.5 m

Question ID : 26433098187

Option 1 ID : 264330385402

Option 2 ID : 264330385401

Option 3 ID : 264330385404

Option 4 ID : 264330385403

Status : Answered

Chosen Option : 3

Q.31 The voltage across the impedance 'Z' is $100\angle 15^\circ$ V and the current through 'Z' is $20\angle -45^\circ$ A. Find the reactive power (Q).

- Ans ☒ 1. $Q = 1732$ VAR
☐ 2. $Q = 600$ VAR
☐ 3. $Q = 6000$ VAR
☐ 4. $Q = 1000$ VAR

Question ID : 264330159857
Option 1 ID : 264330626775
Option 2 ID : 264330626778
Option 3 ID : 264330626777
Option 4 ID : 264330626776
Status : Answered
Chosen Option : 3

Q.32 उस प्रकाश बल्ब का चयन करें, जो सबसे कम ऊर्जा का उपयोग करके पर्याप्त मात्रा में प्रकाश उत्पन्न करता हो।

- Ans ☐ 1. तापदीप्त लैंप (Incandescent lamp)
☐ 2. निऑन लैंप (Neon lamp)
☐ 3. प्रतिदीप्त लैंप (Fluorescent lamp)
☒ 4. एलईडी लैंप (LED lamp)

Question ID : 264330158188
Option 1 ID : 264330620112
Option 2 ID : 264330620114
Option 3 ID : 264330620111
Option 4 ID : 264330620113
Status : Answered
Chosen Option : 4

Q.33 Which of the following statements is/are true in regard to auto transformers?

- (i) A commonly known auto transformer, variac is used in laboratories and science labs.
(ii) An auto transformer should have small transformation when used in transmission and distribution application.
(iii) An auto transformer is used to raise the voltage in an AC feeder and is known as booster.

- Ans ☐ 1. Only (iii)
☐ 2. Only (i)
☒ 3. (i), (ii) and (iii)
☐ 4. (i) and (iii)

Question ID : 264330100789
Option 1 ID : 264330395703
Option 2 ID : 264330395701
Option 3 ID : 264330395704
Option 4 ID : 264330395702
Status : Answered
Chosen Option : 2

Q.34 Identify the FALSE statement associated with the significance of stationary armature in synchronous machine.

- Ans**
- ☒ 1. The stationary armature is a stationary component that does not rotate, making it less prone to wear and tear. This results in a machine that is highly reliable and requires minimal maintenance.
 - ☒ 2. The stationary armature is typically housed in a stationary frame, which provides a large surface area for efficient cooling. This allows the armature to operate at high temperatures without overheating, resulting in higher efficiency and longer lifespan.
 - ☒ 3. In stationary armature configuration, the exciting current is relatively high; therefore, the slip rings and brush gear need to be heavy construction.
 - ☒ 4. The stationary armature is responsible for producing the stator magnetic field in a synchronous machine. The magnetic field produced by the armature interacts with the magnetic field produced by the rotor to generate the torque necessary to turn the machine.

Question ID : **264330164901**
Option 1 ID : **264330646732**
Option 2 ID : **264330646733**
Option 3 ID : **264330646734**
Option 4 ID : **264330646731**
Status : **Answered**
Chosen Option : **3**

Q.35 The dual pair of the node and open circuit are _____

- Ans**
- ☒ 1. KVL and short circuit
 - ☒ 2. mesh and KCL
 - ☒ 3. mesh and short circuit
 - ☒ 4. mesh and open circuit

Question ID : **26433098278**
Option 1 ID : **264330385766**
Option 2 ID : **264330385767**
Option 3 ID : **264330385765**
Option 4 ID : **264330385768**
Status : **Answered**
Chosen Option : **2**

Q.36 Which of the following statements about the losses in a DC motor is INCORRECT?

- Ans**
- ☒ 1. Brush losses forms a part of mechanical losses.
 - ☒ 2. Stray load losses are produced due to the distortion of the air gap flux due to armature reaction.
 - ☒ 3. In series motors, the field ohmic loss forms a part of the armature circuit loss.
 - ☒ 4. The no load rotational loss is made up of iron loss and mechanical loss.

Question ID : **26433098177**
Option 1 ID : **264330385362**
Option 2 ID : **264330385361**
Option 3 ID : **264330385363**
Option 4 ID : **264330385364**
Status : **Answered**
Chosen Option : **3**

Q.37 In case of magnetic circuits, the ratio of the flux density developed in the magnetic material to the flux density developed in air, for the same amount of magnetising force applied to it, is called _____.

- Ans
- ☒ 1. relative permeability
 - ☐ 2. absolute permeability
 - ☐ 3. reluctance
 - ☐ 4. EMF

Question ID : 264330157669

Option 1 ID : 264330618038

Option 2 ID : 264330618037

Option 3 ID : 264330618036

Option 4 ID : 264330618035

Status : Answered

Chosen Option : 2

Q.38 If supports are at equal levels and tension in an overhead line is increased to two times, then _____.

- Ans
- ☐ 1. sag becomes zero
 - ☐ 2. sag also increases to four times
 - ☒ 3. sag decreases to half of the previous value
 - ☐ 4. sag also increases to two times

Question ID : 26433099472

Option 1 ID : 264330390503

Option 2 ID : 264330390504

Option 3 ID : 264330390501

Option 4 ID : 264330390502

Status : Answered

Chosen Option : 2

Q.39 A JFET has the following parameters: $I_{DSS} = 30 \text{ mA}$, $V_{GS}(\text{off}) = -5 \text{ V}$, $V_{GS} = -4.5 \text{ V}$. Find the value of drain current.

- Ans
- ☒ 1. 0.3 mA
 - ☐ 2. 15 mA
 - ☐ 3. 30 mA
 - ☐ 4. 0.5 mA

Question ID : 264330159781

Option 1 ID : 264330626471

Option 2 ID : 264330626473

Option 3 ID : 264330626474

Option 4 ID : 264330626472

Status : Answered

Chosen Option : 2

Q.40 The property where magnetic field of one of the coils makes the other coil to induce an EMF in it is called _____.

- Ans ☒ 1. mutual inductance
☒ 2. capacitance
☒ 3. self-inductance
☒ 4. resistance

Question ID : 26433096921
Option 1 ID : 264330380422
Option 2 ID : 264330380423
Option 3 ID : 264330380421
Option 4 ID : 264330380424
Status : Answered
Chosen Option : 1

Q.41 Which of the following types of fields is used as a coupling medium in all electromechanical conversion devices?

- Ans ☒ 1. Thermal field only
☒ 2. Electric field only
☒ 3. Both electric field and magnetic field
☒ 4. Magnetic field only

Question ID : 264330160508
Option 1 ID : 264330629366
Option 2 ID : 264330629363
Option 3 ID : 264330629365
Option 4 ID : 264330629364
Status : Answered
Chosen Option : 3

Q.42 A power system consists of a coal-fired power plant of 800 MW with the availability factor of 0.8 and a wind farm of 400 MW with the availability factor of 0.5. Find the firm power of the system.

- Ans ☒ 1. 1800 MW
☒ 2. 1200 MW
☒ 3. 400 MW
☒ 4. 840 MW

Question ID : 264330158059
Option 1 ID : 264330619595
Option 2 ID : 264330619597
Option 3 ID : 264330619598
Option 4 ID : 264330619596
Status : Answered
Chosen Option : 2

Q.43 The deflection produced by a half wave rectifier type AC voltmeter is how much times the deflection produced by the DC of equal magnitude voltage?

- Ans ☒ 1. 0.45 times
- ☐ 2. 0.40 times
- ☐ 3. 0.80 times
- ☐ 4. 0.90 times

Question ID : 264330157587

Option 1 ID : 264330617709

Option 2 ID : 264330617710

Option 3 ID : 264330617708

Option 4 ID : 264330617707

Status : Answered

Chosen Option : 2

Q.44 Which of the following is a desirable characteristic of a DC servomotor?

- Ans ☐ 1. Slow response
- ☐ 2. Big size of the machine
- ☒ 3. Less inertia
- ☐ 4. Less robust

Question ID : 264330164864

Option 1 ID : 264330646584

Option 2 ID : 264330646586

Option 3 ID : 264330646583

Option 4 ID : 264330646585

Status : Answered

Chosen Option : 4

Q.45 Consider the following statements about damper winding used to start a synchronous motor and choose the suitable combination of correct choices.

- a) When a motor is overloaded it does not stop.
- b) Synchronous motor made self-starting by providing damper winding.
- c) Damper winding consists of short-circuited copper bars embedded in the face of the field poles.
- d) Since damper winding resistance is high so it takes a small current from the supply mains.

- Ans ☒ 1. Only a, b and c are true.
- ☐ 2. All a, b, c, d are true.
- ☐ 3. Both b and d are true.
- ☐ 4. Both b and c are true.

Question ID : 26433099522

Option 1 ID : 264330390701

Option 2 ID : 264330390704

Option 3 ID : 264330390703

Option 4 ID : 264330390702

Status : Answered

Chosen Option : 2

Q.46 The armature reaction effect is high in _____.

- Ans ☒ 1. both the armature and field control methods
- ☒ 2. series parallel control method
- ☒ 3. field control method
- ☒ 4. armature control method

Question ID : 264330100781

Option 1 ID : 264330395671

Option 2 ID : 264330395672

Option 3 ID : 264330395670

Option 4 ID : 264330395669

Status : Answered

Chosen Option : 2

Q.47 Which option is INCORRECT in relation to the applications of synchronous motors?

- Ans ☒ 1. They are used in power house and substation in parallel to the bus bar to improve the power factors.
- ☒ 2. They are used to regulate the voltage at the end of transmission line.
- ☒ 3. They are used in factories having a large number of induction motors operated at leading power factor.
- ☒ 4. They are used in large loads where constant speed is required.

Question ID : 264330164905

Option 1 ID : 264330646747

Option 2 ID : 264330646748

Option 3 ID : 264330646749

Option 4 ID : 264330646750

Status : Answered

Chosen Option : 2

Q.48 What will happen with a single-phase induction motor that has a short-circuited capacitor?

- Ans ☒ 1. Will run in the same direction with less speed
- ☒ 2. Will not run
- ☒ 3. Will run in the reverse direction
- ☒ 4. Will run

Question ID : 264330164875

Option 1 ID : 264330646629

Option 2 ID : 264330646627

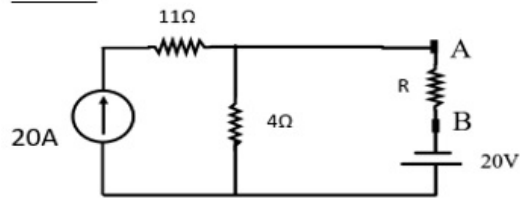
Option 3 ID : 264330646630

Option 4 ID : 264330646628

Status : Answered

Chosen Option : 2

Q.49 The Thevenin's equivalent voltage across terminal A-B shown in the figure is _____.



- Ans
- ☒ 1. 10 V
 - ☒ 2. 100 V
 - ☒ 3. 300 V
 - ☒ 4. 80 V

Question ID : 26433096490
 Option 1 ID : 264330378700
 Option 2 ID : 264330378699
 Option 3 ID : 264330378698
 Option 4 ID : 264330378697

Status : Answered

Chosen Option : 3

Q.50 Which of the following materials is used to construct the rotor of variable reluctance stepper motor with salient poles?

- Ans
- ☒ 1. Diamagnetic
 - ☒ 2. Nonmagnetic
 - ☒ 3. Paramagnetic
 - ☒ 4. Ferromagnetic

Question ID : 264330164867
 Option 1 ID : 264330646596
 Option 2 ID : 264330646597
 Option 3 ID : 264330646595
 Option 4 ID : 264330646598

Status : Answered

Chosen Option : 4

Q.51 The conductor of an overhead transmission line has cross-sectional area of 2 cm^2 . If the specific gravity of the conductor material is 9.9 gm/cm^3 and wind pressure is 1.5 kg/m length. The effective weight per metre of length (kg/m) of the conductor will be ____.

- Ans
- ☒ 1. 3.48 kg/m
 - ☒ 2. 2.48 kg/m
 - ☒ 3. 4.48 kg/m
 - ☒ 4. 5.48 kg/m

Question ID : 264330162603
 Option 1 ID : 264330637740
 Option 2 ID : 264330637739
 Option 3 ID : 264330637741
 Option 4 ID : 264330637742

Status : Answered

Chosen Option : 3

Q.52 The expression for the RMS value of the current of a triangular wave form is:

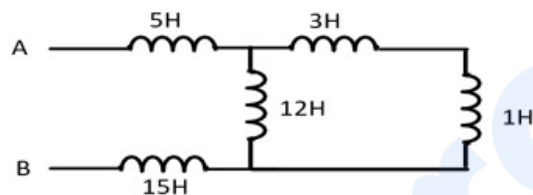
- Ans
- ☒ 1. $\sqrt{3}I_{\max}$
 - ☒ 2. $\frac{I_{\max}}{2}$
 - ☒ 3. $\frac{I_{\max}}{\sqrt{2}}$
 - ☒ 4. $\frac{I_{\max}}{\sqrt{3}}$

Question ID : 26433098303
 Option 1 ID : 264330385868
 Option 2 ID : 264330385867
 Option 3 ID : 264330385866
 Option 4 ID : 264330385865

Status : Answered

Chosen Option : 2

Q.53 Find the value of equivalent inductance across terminal AB in the following circuit.



- Ans
- ☒ 1. 26H
 - ☒ 2. 50H
 - ☒ 3. 36H
 - ☒ 4. 23H

Question ID : 26433096410
 Option 1 ID : 264330378377
 Option 2 ID : 264330378380
 Option 3 ID : 264330378379
 Option 4 ID : 264330378378

Status : Answered

Chosen Option : 4

Q.54 Which of the following lamps is well suited for street lightning in terms of high luminous efficiency?

- Ans
- ☐ 1. Compact fluorescent lamp
 - ☐ 2. Fluorescent lamp
 - ☐ 3. Incandescent lamp
 - ☒ 4. Sodium vapour lamp

Question ID : 26433098204
Option 1 ID : 264330385469
Option 2 ID : 264330385471
Option 3 ID : 264330385470
Option 4 ID : 264330385472
Status : Answered
Chosen Option : 4

Q.55 The compensation for light load is done by using a metallic strip provided between the _____.

- Ans
- ☐ 1. disc and the pointer
 - ☐ 2. central limb of series magnet and disc
 - ☒ 3. central limb of shunt magnet and disc
 - ☐ 4. permanent magnet and disc

Question ID : 264330100761
Option 1 ID : 264330395591
Option 2 ID : 264330395590
Option 3 ID : 264330395589
Option 4 ID : 264330395592
Status : Answered
Chosen Option : 4

Q.56 A 400 W, 100 V bulb is connected across a 50 V source. The current drawn by the bulb is _____.

- Ans
- ☐ 1. 1 A
 - ☐ 2. 0 A
 - ☒ 3. 2 A
 - ☐ 4. 4 A

Question ID : 264330160217
Option 1 ID : 264330628208
Option 2 ID : 264330628210
Option 3 ID : 264330628207
Option 4 ID : 264330628209
Status : Answered
Chosen Option : 3

Q.57 In a shaded-pole induction motor, the part with copper ring is known as _____, and the copper ring is known as _____, which is usually a single-turn coil.

- Ans
- ☒ 1. shaded pole; shading coil
 - ☐ 2. shaded coil; shading pole
 - ☐ 3. shaded coil; shading coil
 - ☐ 4. shaded pole; shading pole

Question ID : 264330164882

Option 1 ID : 264330646655

Option 2 ID : 264330646656

Option 3 ID : 264330646658

Option 4 ID : 264330646657

Status : Answered

Chosen Option : 3

Q.58 Calculate the line value of induced emf of a 10-pole, 3-phase, 60 Hz star-connected alternator with 60 slots and 4 conductors per slot. The value of the pitch factor is 0.966, the distribution factor is 0.966, the flux per pole is 0.12 Wb and it is sinusoidally distributed.

- Ans
- ☐ 1. 927.36 V
 - ☐ 2. 688.92 V
 - ☐ 3. 1193.4 V
 - ☒ 4. 2066.76 V

Question ID : 26433099516

Option 1 ID : 264330390680

Option 2 ID : 264330390679

Option 3 ID : 264330390677

Option 4 ID : 264330390678

Status : Answered

Chosen Option : 3

Q.59 Which of the following is NOT suitable for the overhead conductor of a transmission line?

- Ans
- ☐ 1. High electrical conductivity
 - ☐ 2. High tensile strength
 - ☒ 3. High specific gravity
 - ☐ 4. Lower cost

Question ID : 264330158112

Option 1 ID : 264330619808

Option 2 ID : 264330619809

Option 3 ID : 264330619810

Option 4 ID : 264330619807

Status : Answered

Chosen Option : 2

Q.60 A capacitor that stores energy of 8 J and has capacitance of 1 F has a potential difference of _____ across it.

- Ans ☒ 1. 2 V
☒ 2. 4 V
☒ 3. 1 V
☒ 4. 12 V

Question ID : 26433098182
Option 1 ID : 264330385382
Option 2 ID : 264330385383
Option 3 ID : 264330385381
Option 4 ID : 264330385384
Status : Answered
Chosen Option : 2

Q.61 Select the INCORRECT statement for an overhead transmission line supported by supports at equal levels.

- Ans ☒ 1. Sag is directly proportional to the square of the length of the conductor span.
☒ 2. Sag is inversely proportional to the height of the supporting tower.
☒ 3. Sag is inversely proportional to the tension of the conductor.
☒ 4. Sag is directly proportional to the weight per unit length of the conductor.

Question ID : 264330158116
Option 1 ID : 264330619825
Option 2 ID : 264330619826
Option 3 ID : 264330619824
Option 4 ID : 264330619823
Status : Answered
Chosen Option : 2

Q.62 Arrange the following in the increasing order of energy released during their processing as a biomass.

- A) Bagasse
B) Municipal solid waste
C) Wheat and rice straw
D) Wood pellets

- Ans ☒ 1. B-D-A-C
☒ 2. D-B-C-A
☒ 3. C-A-B-D
☒ 4. A-B-C-D

Question ID : 264330158064
Option 1 ID : 264330619618
Option 2 ID : 264330619617
Option 3 ID : 264330619615
Option 4 ID : 264330619616
Status : Answered
Chosen Option : 2

Q.63 The input signal of a common drain amplifier is applied to the Gate through the ____.

- Ans ☒ 1. input resistor
☒ 2. variable resistor
☒ 3. input inductor
☒ 4. coupling capacitor

Question ID : 264330159779

Option 1 ID : 264330626463

Option 2 ID : 264330626464

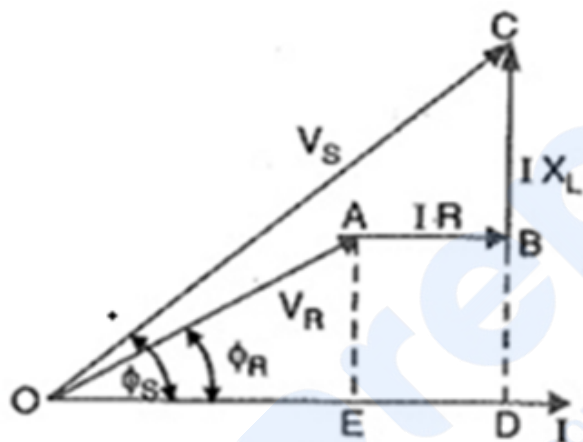
Option 3 ID : 264330626465

Option 4 ID : 264330626466

Status : Answered

Chosen Option : 2

Q.64 The figure shows the lagging load phasor representation of a transmission line, where, V_S , R , X_L , V_R and I represent the sending end voltage, line resistance, line inductance, receiving end voltage and line current, respectively. Identify the transmission line which most suited for it.



- Ans ☒ 1. 400 kV transmission line
☒ 2. 10 kV transmission line
☒ 3. 200 kV transmission line
☒ 4. 100 kV transmission line

Question ID : 264330158107

Option 1 ID : 264330619790

Option 2 ID : 264330619787

Option 3 ID : 264330619789

Option 4 ID : 264330619788

Status : Answered

Chosen Option : 3

Q.65 Which of the following components are connected to the gearbox and generator box, respectively, in a horizontal-type wind turbine?

- Ans ☒ 1. Low speed shaft and high speed shaft
☐ 2. High speed shaft and low speed shaft
☐ 3. High speed shaft and accelerometer
☐ 4. Low speed shaft and accelerometer

Question ID : 26433099577
Option 1 ID : 264330390923
Option 2 ID : 264330390924
Option 3 ID : 264330390922
Option 4 ID : 264330390921
Status : Answered
Chosen Option : 3

Q.66

Find the input capacitance for a common source(CS) MOSFET amplifier, when $C_{gs} = 5\text{pF}$, $C_{gd} = 3\text{pF}$, and $A_V = 3$.

- Ans ☒ 1. 17 pF
☐ 2. 10 pF
☐ 3. 15 pF
☐ 4. 12 pF

Question ID : 264330159775
Option 1 ID : 264330626450
Option 2 ID : 264330626447
Option 3 ID : 264330626449
Option 4 ID : 264330626448
Status : Answered
Chosen Option : 3

Q.67 Three phases (R, Y and B) of a balanced AC circuit with the phase sequence RYB are connected in star. These three voltages are equal in magnitude and displaced from one another by _____ electrical angle.

- Ans ☒ 1. 120°
☐ 2. 240°
☐ 3. 360°
☐ 4. 90°

Question ID : 264330159444
Option 1 ID : 264330625136
Option 2 ID : 264330625137
Option 3 ID : 264330625138
Option 4 ID : 264330625135
Status : Answered
Chosen Option : 3

Q.68 In the context of electromagnetic induction, the fraction of magnetic flux produced by the current in one coil that links the other coil is called _____.

- Ans
- ☒ 1. coefficient of coupling
 - ☐ 2. mutual induction
 - ☐ 3. self-induction
 - ☐ 4. mutually induced EMF

Question ID : 264330157623
Option 1 ID : 264330617854
Option 2 ID : 264330617852
Option 3 ID : 264330617851
Option 4 ID : 264330617853
Status : Answered
Chosen Option : 3

Q.69 In case of magnetic circuits, the flux produced per unit area of the magnetic material, for every unit of the magnetising force applied to it, is called _____.

- Ans
- ☐ 1. relative permeability
 - ☒ 2. absolute permeability
 - ☐ 3. EMF
 - ☐ 4. MMF

Question ID : 264330157668
Option 1 ID : 264330618034
Option 2 ID : 264330618033
Option 3 ID : 264330618032
Option 4 ID : 264330618031
Status : Answered
Chosen Option : 3

Q.70 How many terminals does a servo-motor contain?

- Ans
- ☐ 1. 1
 - ☐ 2. 2
 - ☒ 3. 3
 - ☐ 4. 4

Question ID : 264330164858
Option 1 ID : 264330646559
Option 2 ID : 264330646560
Option 3 ID : 264330646561
Option 4 ID : 264330646562
Status : Answered
Chosen Option : 2

Q.71 In the wind power plant, which of the following features differentiates the wound rotor synchronous generator from squirrel cage induction generators?

- Ans** ✓ 1. The wound rotor synchronous generator includes an external mechanism to control the rotor output.
- ✗ 2. A reactive power compensation unit is not needed in wound rotor synchronous generators.
- ✗ 3. A gearbox is not required in the wound rotor synchronous generator.
- ✗ 4. The wound rotor synchronous generator includes an external mechanism to control the stator side.

Question ID : 26433099574
Option 1 ID : 264330390909
Option 2 ID : 264330390912
Option 3 ID : 264330390911
Option 4 ID : 264330390910
Status : Answered
Chosen Option : 2

Q.72 Which of the following statements is true regarding the voltage drop due to armature reaction for unity power factors in an alternator?

- Ans** ✗ 1. The voltage drop is maximum for unity power factors.
- ✓ 2. The voltage drop is minimum for unity power factors.
- ✗ 3. The voltage drop is zero for unity power factors.
- ✗ 4. The voltage drop remains constant irrespective of the power factor.

Question ID : 264330164897
Option 1 ID : 264330646715
Option 2 ID : 264330646716
Option 3 ID : 264330646717
Option 4 ID : 264330646718
Status : Answered
Chosen Option : 2

Q.73 Which of the following statements is NOT correct about generation of alternating voltage?

- Ans** ✗ 1. For the production of voltage, either the armature or the field rotates.
- ✗ 2. The number of times the armature rotates per second, the same number of cycles will be produced by the armature voltage.
- ✗ 3. An increase in the number of poles, increases the frequency.
- ✓ 4. A 4-pole generator completes four cycles per revolution.

Question ID : 26433096116
Option 1 ID : 264330377233
Option 2 ID : 264330377235
Option 3 ID : 264330377234
Option 4 ID : 264330377236
Status : Answered
Chosen Option : 2

Q.74 Which of the following is used with the pressure coil to bring the flux produced by the shunt magnet exactly in quadrature with the applied voltage?

- Ans ☒ 1. Copper shading bands are provided on the central limb
- ☒ 2. Copper shading bands are provided on the U limb
- ☒ 3. Aluminium shading bands are provided on the central limb
- ☒ 4. Aluminium shading bands are provided on the U limb

Question ID : 264330157582

Option 1 ID : 264330617688

Option 2 ID : 264330617690

Option 3 ID : 264330617687

Option 4 ID : 264330617689

Status : Answered

Chosen Option : 2

Q.75 Which of the given statements is NOT true about the double layer winding in the electrical machine?

- Ans ☒ 1. Leakage reactance will be more as more winding is there.
- ☒ 2. Fractional slot winding can be possible.
- ☒ 3. Improved emf waveform will be there.
- ☒ 4. Easier to manufacture and lower cost of the coils

Question ID : 264330164902

Option 1 ID : 264330646738

Option 2 ID : 264330646737

Option 3 ID : 264330646735

Option 4 ID : 264330646736

Status : Answered

Chosen Option : 3

Q.76 An RLC series circuit has resonance frequency of 170 kHz and quality factor of 25. Find the bandwidth of the circuit.

- Ans ☒ 1. 6.8 kHz
- ☒ 2. 13.6 kHz
- ☒ 3. 68 kHz
- ☒ 4. 50 Hz

Question ID : 264330159516

Option 1 ID : 264330625423

Option 2 ID : 264330625425

Option 3 ID : 264330625426

Option 4 ID : 264330625424

Status : Answered

Chosen Option : 3

Q.77 The Ohmic loss during the open-circuit test is considered negligible because:

- Ans ☒ 1. the Ohmic loss is proportional to the square of the applied voltage, which is low in the open-circuit test
- ☒ 2. the Ohmic loss is proportional to the square of the applied current, which is low in the open-circuit test
- ☒ 3. the Ohmic loss is proportional to the square of the applied current, which is high in the open-circuit test
- ☒ 4. the Ohmic loss is proportional to the square of the applied voltage, which is high in the open-circuit test

Question ID : 264330163309

Option 1 ID : 264330640535

Option 2 ID : 264330640537

Option 3 ID : 264330640538

Option 4 ID : 264330640536

Status : Answered

Chosen Option : 3

Q.78 Diffusion capacitance of a p-n junction diode increases with increase in the _____ and the _____.

- Ans ☒ 1. thermal voltage; ideality factor (η)
- ☒ 2. mean lifetime of minority carriers; diode current
- ☒ 3. mean lifetime of minority carriers; thermal voltage
- ☒ 4. diode current; thermal voltage

Question ID : 264330162822

Option 1 ID : 264330638606

Option 2 ID : 264330638603

Option 3 ID : 264330638605

Option 4 ID : 264330638604

Status : Answered

Chosen Option : 3

Q.79 Which of the following constitutes a valid reason for rejecting the lowest bid?

- Ans ☒ 1. All of the options
- ☒ 2. Unreasonable compensation is received
- ☒ 3. Bidder has not signed
- ☒ 4. Lack of sufficient opposition

Question ID : 264330158174

Option 1 ID : 264330620058

Option 2 ID : 264330620056

Option 3 ID : 264330620057

Option 4 ID : 264330620055

Status : Answered

Chosen Option : 2

Q.80 A heater of resistance 300Ω is connected to the main supply for 10 minutes. If the heat produced in the heater during this time is 18 J, then find the current through it.

- Ans ☒ 1. 10A
☒ 2. 0.01A
☒ 3. 0.10 A
☒ 4. 100 A

Question ID : 264330160209
Option 1 ID : 264330628178
Option 2 ID : 264330628177
Option 3 ID : 264330628176
Option 4 ID : 264330628175
Status : Answered
Chosen Option : 2

Q.81 In a capacitor start induction run motor, when motor reaches to _____ of full speed, the centrifugal switch S opens and cuts out capacitor from supply.

- Ans ☒ 1. 100%
☒ 2. 25%
☒ 3. 50%
☒ 4. 75%

Question ID : 26433099590
Option 1 ID : 264330390976
Option 2 ID : 264330390973
Option 3 ID : 264330390974
Option 4 ID : 264330390975
Status : Answered
Chosen Option : 2

Q.82 How much torque will be produced by the armature of a DC shunt machine if the machine generates 10,000 W of mechanical power in the armature and rotates at the speed of 1500 revolutions per minute?

- Ans ☒ 1. 0 N-m
☒ 2. $\frac{200}{\pi}$ N-m
☒ 3. $\frac{2}{\pi}$ N-m
☒ 4. $\frac{20}{\pi}$ N-m

Question ID : 264330163298
Option 1 ID : 264330640491
Option 2 ID : 264330640492
Option 3 ID : 264330640493
Option 4 ID : 264330640494
Status : Answered
Chosen Option : 2

Q.83 What is the purpose of cost estimation?

- Ans ☒ 1. To predict project expenses
- ☒ 2. To allocate human resources
- ☒ 3. To determine project timelines
- ☒ 4. To assess project risks

Question ID : 264330158154

Option 1 ID : 264330619977

Option 2 ID : 264330619976

Option 3 ID : 264330619975

Option 4 ID : 264330619978

Status : Answered

Chosen Option : 2

Q.84 In a single value capacitor run motor, the starting torque is about _____ of rated torque.

- Ans ☒ 1. 50 to 100%
- ☒ 2. 10 to 30%
- ☒ 3. 10 to 20%
- ☒ 4. 20 to 30%

Question ID : 26433099625

Option 1 ID : 264330391116

Option 2 ID : 264330391115

Option 3 ID : 264330391114

Option 4 ID : 264330391113

Status : Answered

Chosen Option : 2

Q.85 The method of creating uniform electrostatic stress in the dielectric of underground cables is known as _____ of cables.

- Ans ☒ 1. grading
- ☒ 2. laying
- ☒ 3. armouring
- ☒ 4. jointing

Question ID : 264330158123

Option 1 ID : 264330619854

Option 2 ID : 264330619852

Option 3 ID : 264330619853

Option 4 ID : 264330619851

Status : Answered

Chosen Option : 2

Q.86 Calculate the resistance per metre length of a wire of diameter 40 mm and specific resistance of $3.14 \times 10^{-4} \Omega\text{-m}$:

- Ans
- ☒ 1. 40Ω
 - ☒ 2. 4Ω
 - ☒ 3. $\frac{1}{4} \Omega$
 - ☒ 4. 400Ω

Question ID : 26433096413

Option 1 ID : 264330378390

Option 2 ID : 264330378389

Option 3 ID : 264330378392

Option 4 ID : 264330378391

Status : Answered

Chosen Option : 3

Q.87 Which type of generator is used in a large wind power plant?

- Ans
- ☒ 1. Slip ring motor
 - ☒ 2. Three phase alternator
 - ☒ 3. DC generator
 - ☒ 4. Induction generator

Question ID : 26433099576

Option 1 ID : 264330390920

Option 2 ID : 264330390918

Option 3 ID : 264330390917

Option 4 ID : 264330390919

Status : Answered

Chosen Option : 3

Q.88 The bandwidth of CRO is the range of frequencies over which gain of _____.

- Ans
- ☒ 1. vertical amplifier is within 3 db of the mid-band frequency gain
 - ☒ 2. horizontal amplifier is within 3 db of the mid-band frequency gain
 - ☒ 3. vertical amplifier is within 5 db of the mid-band frequency gain
 - ☒ 4. horizontal amplifier is within 5 db of the mid-band frequency gain

Question ID : 264330157579

Option 1 ID : 264330617677

Option 2 ID : 264330617675

Option 3 ID : 264330617678

Option 4 ID : 264330617676

Status : Answered

Chosen Option : 3

Q.89 What will be the primary current of a 20 kVA, 6600/220 V, 50 Hz step-down ideal transformer?

- Ans ☒ 1. 3.03 A
- ☐ 2. 0 A
- ☐ 3. 1.3 A
- ☐ 4. 1.515 A

Question ID : 264330163314

Option 1 ID : 264330640556

Option 2 ID : 264330640555

Option 3 ID : 264330640557

Option 4 ID : 264330640558

Status : Answered

Chosen Option : 3

Q.90 In a shaded-pole induction motor, the main core flux is _____ by the flux in the ring that is developed by the _____ current.

- Ans ☐ 1. opposed; constant
- ☐ 2. supported; circulating
- ☐ 3. supported; constant
- ☒ 4. opposed; circulating

Question ID : 264330164885

Option 1 ID : 264330646668

Option 2 ID : 264330646669

Option 3 ID : 264330646670

Option 4 ID : 264330646667

Status : Answered

Chosen Option : 3

Q.91 The current (I) flowing through the p-n junction diode is given by _____.

- Ans ☐ 1. $I_0 = I(e^{\eta K T / q v} - 1)$
- ☐ 2. $I = I_0 (e^{\eta K T / q v} - 1)$
- ☐ 3. $I_0 = I(e^{q v / \eta K T} - 1)$
- ☒ 4. $I = I_0 (e^{q v / \eta K T} - 1)$

Question ID : 26433098135

Option 1 ID : 264330385196

Option 2 ID : 264330385193

Option 3 ID : 264330385194

Option 4 ID : 264330385195

Status : Answered

Chosen Option : 2

Q.92 Which of the following quantities can be changed to control the speed of the brushless DC motor?

- Ans
- ☐ 1. Wind direction
 - ☐ 2. Wind pressure
 - ☒ 3. Applied DC source voltage
 - ☐ 4. Temperature

Question ID : 264330164860

Option 1 ID : 264330646567

Option 2 ID : 264330646570

Option 3 ID : 264330646568

Option 4 ID : 264330646569

Status : Answered

Chosen Option : 3

Q.93 What will be the phase difference between the alternating current and the voltage represented by the following equation $I = I_0 \sin(\omega t)$ and $E = E_0 \cos(\omega t + \pi/3)$?

- Ans
- ☐ 1. $5\pi/3$
 - ☐ 2. $\pi/3$
 - ☐ 3. $4\pi/3$
 - ☒ 4. $5\pi/6$

Question ID : 264330159431

Option 1 ID : 264330625084

Option 2 ID : 264330625083

Option 3 ID : 264330625085

Option 4 ID : 264330625086

Status : Answered

Chosen Option : 2

Q.94 Choose the correct alternative regarding Neon Lamps.

- Ans
- ☐ 1. The power factor of the neon tube is higher.
 - ☒ 2. The neon lamp consists of neon and argon gas.
 - ☐ 3. The neon lamp normally emits green colour.
 - ☐ 4. If helium gas is used instead of neon, a greenish red colour is obtained.

Question ID : 264330100101

Option 1 ID : 264330392980

Option 2 ID : 264330392979

Option 3 ID : 264330392977

Option 4 ID : 264330392978

Status : Answered

Chosen Option : 2

Q.95 In electrical applications, electric geyser coils are made up of a _____.

- Ans
- ☒ 1. high-inductance metal
 - ☒ 2. high-resistance metal
 - ☒ 3. low-resistance metal
 - ☒ 4. low-inductance metal

Question ID : 264330157599
Option 1 ID : 264330617758
Option 2 ID : 264330617757
Option 3 ID : 264330617755
Option 4 ID : 264330617756
Status : Answered
Chosen Option : 2

Q.96 Self-inductance does NOT depend on which of the following parameters?

- Ans
- ☒ 1. Length of the conductor
 - ☒ 2. Number of turns
 - ☒ 3. Current flowing through the conductor
 - ☒ 4. Flux

Question ID : 26433096869
Option 1 ID : 264330380214
Option 2 ID : 264330380213
Option 3 ID : 264330380216
Option 4 ID : 264330380215
Status : Answered
Chosen Option : 4

Q.97 In a transformer, the variation of which quantity leads to induce an EMF?

- Ans
- ☒ 1. Frequency
 - ☒ 2. Current
 - ☒ 3. Voltage
 - ☒ 4. Magnetic flux

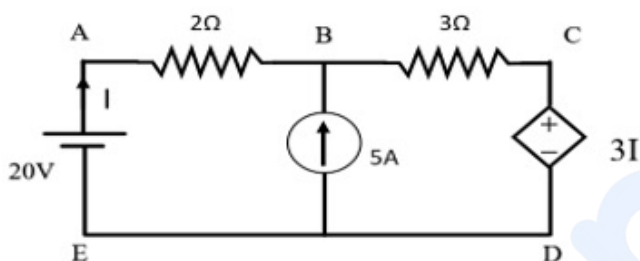
Question ID : 26433096098
Option 1 ID : 264330377162
Option 2 ID : 264330377161
Option 3 ID : 264330377164
Option 4 ID : 264330377163
Status : Answered
Chosen Option : 4

Q.98 A series RLC circuit has the following parameter values: $R = 5 \, \Omega$, $L = 0.01 \, \text{H}$, $C = 100 \, \mu\text{F}$, Voltage source $(t) = 10 \sin 1000t$. What is the value of quality factor?

- Ans
- ☒ 1. 2.51
 - ☒ 2. 1
 - ☒ 3. 1.11
 - ☒ 4. 2

Question ID : 26433098296
 Option 1 ID : 264330385840
 Option 2 ID : 264330385838
 Option 3 ID : 264330385839
 Option 4 ID : 264330385837
 Status : Answered
 Chosen Option : 3

Q.99 In the circuit shown below, the value of the current I is:



- Ans
- ☒ 1. $\frac{5}{8} \, \text{A}$
 - ☒ 2. 0A
 - ☒ 3. $-\frac{5}{8} \, \text{A}$
 - ☒ 4. 1A

Question ID : 26433096457
 Option 1 ID : 264330378566
 Option 2 ID : 264330378567
 Option 3 ID : 264330378565
 Option 4 ID : 264330378568
 Status : Answered
 Chosen Option : 2

Q.100 The bundled conductors can be formed from two or more stranded conductors, bundled together to increase the _____.

- Ans
- ☒ 1. line inductance
 - ☒ 2. current carrying capacity
 - ☒ 3. communication line interference
 - ☒ 4. copper losses

Question ID : 264330159735

Option 1 ID : 264330626297

Option 2 ID : 264330626296

Option 3 ID : 264330626298

Option 4 ID : 264330626295

Status : Answered

Chosen Option : 2