

Junior Engineer Civil Mechanical and Electrical Examination 2023 Paper I

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|----------------|---|
| Roll Number | |
| Candidate Name | |
| Venue Name | iON Digital Zone iDZ Bopal |
| Exam Date | 11/10/2023 |
| Exam Time | 5:00 PM - 7:00 PM |
| Subject | Junior Engineer 2023 Electrical Paper I |

Section : General Intelligence and Reasoning

Q.1 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Metal : Ore :: Jewelry : ?

- Ans**
- ☒ 1. Expensive
 - ☒ 2. Gold smith
 - ☒ 3. Gold
 - ☒ 4. Necklace

Question ID : 264330144530

Option 1 ID : 264330566378

Option 2 ID : 264330566375

Option 3 ID : 264330566377

Option 4 ID : 264330566376

Status : Answered

Chosen Option : 3

Q.2 Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

S _ T _ XW _ UT _ X _ S _ TV _ WS _ _ VX _

- Ans**
- ☒ 1. UVSVUWXUTW
 - ☒ 2. VUSVUWXUTW
 - ☒ 3. VUSVWUUXTW
 - ☒ 4. UVSVWUXUTW

Question ID : 264330144515

Option 1 ID : 264330566315

Option 2 ID : 264330566318

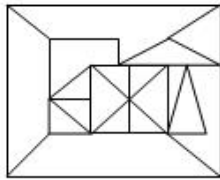
Option 3 ID : 264330566316

Option 4 ID : 264330566317

Status : Answered

Chosen Option : 4

Q.3 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).



Ans

- ✗ 1.
- ✓ 2.
- ✗ 3.
- ✗ 4.

Question ID : 264330144784

Option 1 ID : 264330567391

Option 2 ID : 264330567393

Option 3 ID : 264330567392

Option 4 ID : 264330567394

Status : Answered

Chosen Option : 2

Q.4 If A denotes '+', B denotes '×', C denotes '-', and D denotes '÷', then what will come in place of '?' in the following equation?
81 D 9 B 3 C 27 = ?

- Ans ✗ 1. 3
- ✓ 2. 0
- ✗ 3. 9
- ✗ 4. 216

Question ID : 26433067678

Option 1 ID : 264330265225

Option 2 ID : 264330265224

Option 3 ID : 264330265226

Option 4 ID : 264330265227

Status : Answered

Chosen Option : 2

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.
 $38 : 555 :: 25 : 360 :: 17 : ?$

- Ans ☒ 1. 240
☒ 2. 210
☒ 3. 225
☒ 4. 215

Question ID : 26433078880

Option 1 ID : 264330309535

Option 2 ID : 264330309532

Option 3 ID : 264330309534

Option 4 ID : 264330309533

Status : Not Answered

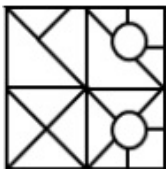
Chosen Option : --

Q.6 Select the option in which the given figure is embedded (rotation is NOT allowed).

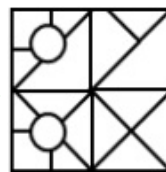


Ans

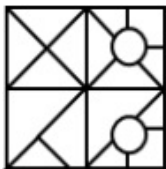
☒ 1.



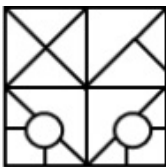
☒ 2.



☒ 3.



☒ 4.



Question ID : 264330126088

Option 1 ID : 264330494024

Option 2 ID : 264330494027

Option 3 ID : 264330494025

Option 4 ID : 264330494026

Status : Answered

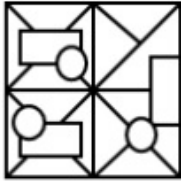
Chosen Option : 2

Q.7 Select the option in which the given figure is embedded (rotation is NOT allowed).

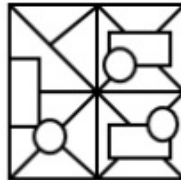


Ans

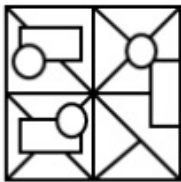
✗ 1.



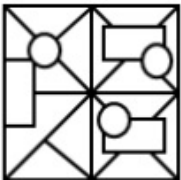
✓ 2.



✗ 3.



✗ 4.



Question ID : 264330126688

Option 1 ID : 264330496427

Option 2 ID : 264330496425

Option 3 ID : 264330496426

Option 4 ID : 264330496424

Status : Answered

Chosen Option : 2

Q.8 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?

16 : 1 :: ? : 3 :: 54 : 2

Ans ✓ 1. 128

✗ 2. 142

✗ 3. 135

✗ 4. 108

Question ID : 264330144458

Option 1 ID : 264330566090

Option 2 ID : 264330566088

Option 3 ID : 264330566089

Option 4 ID : 264330566087

Status : Not Answered

Chosen Option : --

Q.9 Which of the following numbers will replace the question mark (?) in the given series?

47, 41, 53, ?, 59, 29

- Ans
- ☒ 1. 57
 - ☒ 2. 39
 - ☒ 3. 35
 - ☒ 4. 55

Question ID : 26433091014
Option 1 ID : 264330357468
Option 2 ID : 264330357466
Option 3 ID : 264330357465
Option 4 ID : 264330357467
Status : Answered
Chosen Option : 3

Q.10 Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

R_JK_H_QJ_I_R_JK_H_QJ_IH

- Ans
- ☒ 1. QJRKHQRIK
 - ☒ 2. QJRKQHIRK
 - ☒ 3. QIRKHQIRK
 - ☒ 4. QJKRHQIRK

Question ID : 264330144514
Option 1 ID : 264330566313
Option 2 ID : 264330566312
Option 3 ID : 264330566314
Option 4 ID : 264330566311
Status : Answered
Chosen Option : 3

Q.11 Six friends are sitting in a circle. All of them are facing the centre. Samir is an immediate neighbour of Kiran. Gagan is an immediate neighbour of Pran and Vyom. Suman sits second to the right of Gagan. Kiran sits second to the right of Vyom.

Who sits fourth to the left of Vyom?

- Ans
- ☒ 1. Kiran
 - ☒ 2. Samir
 - ☒ 3. Suman
 - ☒ 4. Pran

Question ID : 264330144638
Option 1 ID : 264330566808
Option 2 ID : 264330566809
Option 3 ID : 264330566807
Option 4 ID : 264330566810
Status : Not Answered
Chosen Option : --


Q.12 If

'Z @ S' means 'Z is the father of S',
'Z * S' means 'Z is the brother of S',
'Z x S' means 'Z is the father's sister of S',
'Z # S' means 'Z is the sister of S',
'Z \$ S' means 'Z is the daughter of S', and
'Z = S' means 'Z is the mother of S',
then how is P related to U in the following expression?
P x Q \$ R @ S * T \$ U

Ans  1. Husband's sister

 2. Daughter

 3. Brother's son

 4. Brother

Question ID : 264330144539

Option 1 ID : 264330566414

Option 2 ID : 264330566411

Option 3 ID : 264330566413

Option 4 ID : 264330566412

Status : Not Answered

Chosen Option : --

Q.13 In the following statements A, B, C, D and E denotes +, -, x, ÷ and = respectively, then which of the statement is correct?

Ans  1. 4A3C5D3E15B6

 2. 4A3C5D3E15B8

 3. 4A3C6D3E15B6

 4. 4A3B5D3E15C6

Question ID : 264330129645

Option 1 ID : 264330507949

Option 2 ID : 264330507946

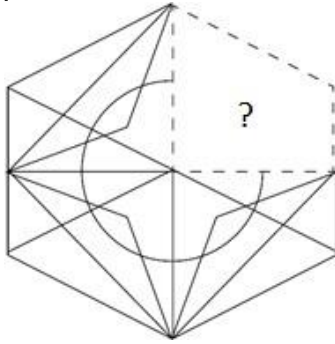
Option 3 ID : 264330507948

Option 4 ID : 264330507947

Status : Not Answered

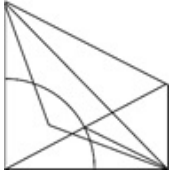
Chosen Option : --

Q.14 Select the figure from the options that can replace the question mark (?) and complete the pattern.

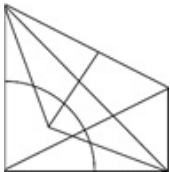


Ans

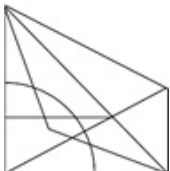
✗ 1.



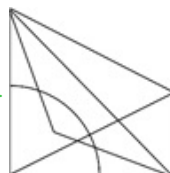
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433092791

Option 1 ID : 264330364455

Option 2 ID : 264330364453

Option 3 ID : 264330364454

Option 4 ID : 264330364456

Status : Answered

Chosen Option : 4

Q.15 In this question, three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

Some pens are sharpeners.
Some sharpeners are pencils.
All pencils are erasers.

Conclusions:

I. Some erasers are sharpeners.
II. Some pens are erasers.

- Ans ☒ 1. Only conclusion I follows.
- ☐ 2. Neither conclusion I nor II follows.
- ☐ 3. Only conclusion II follows.
- ☐ 4. Both conclusions I and II follow.

Question ID : 264330144578

Option 1 ID : 264330566567

Option 2 ID : 264330566570

Option 3 ID : 264330566568

Option 4 ID : 264330566569

Status : Answered

Chosen Option : 1

Q.16 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(20, 8, 4)

(12, 3, 6)

- Ans ☐ 1. (32, 4, 14)
- ☒ 2. (8, 1, 6)
- ☐ 3. (44, 2, 24)
- ☐ 4. (22, 3, 9)

Question ID : 264330144452

Option 1 ID : 264330566063

Option 2 ID : 264330566065

Option 3 ID : 264330566066

Option 4 ID : 264330566064

Status : Not Answered

Chosen Option : --

Q.17 If A denotes '+', B denotes 'x', C denotes '-', and D denotes '÷', then what will be the value of the following equation?

22 B 13 C 120 D 30 A 42 = ?

- Ans ☐ 1. 325
- ☒ 2. 324
- ☐ 3. 352
- ☐ 4. 342

Question ID : 264330129789

Option 1 ID : 264330508390

Option 2 ID : 264330508388

Option 3 ID : 264330508387


Option 4 ID : 264330508389

Status : Answered

Chosen Option : 2

Q.18 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Informer
2. Infested
3. Inferior
4. Infinity
5. Infirmary
6. Inflated

Ans  1. 2, 3, 4, 5, 1, 6

 2. 3, 2, 4, 5, 6, 1

 3. 2, 3, 4, 5, 6, 1

 4. 3, 2, 5, 4, 6, 1

Question ID : 264330129469

Option 1 ID : 264330507242

Option 2 ID : 264330507243

Option 3 ID : 264330507244

Option 4 ID : 264330507245

Status : Answered

Chosen Option : 2

Q.19 Which of the following numbers will replace the question marks (?) in the given series?
112, 113, 117, ?, 142, 167, ?, 252, 316

Ans  1. 126, 203

 2. 132, 214

 3. 133, 215

 4. 122, 224

Question ID : 26433096015

Option 1 ID : 264330376832

Option 2 ID : 264330376831

Option 3 ID : 264330376830

Option 4 ID : 264330376829

Status : Answered

Chosen Option : 1

Q.20 In a certain code language, 'SHELF' is coded as '110', and 'TABLE' is coded as '120'. How will 'DESK' be coded in that language?

Ans  1. 10

 2. 85

 3. 73

 4. 69

Question ID : 264330144598

Option 1 ID : 264330566647

Option 2 ID : 264330566648

Option 3 ID : 264330566650

Option 4 ID : 264330566649

Status : Not Answered

Chosen Option : --

Q.21 Each of the seven friends, Kirti, Siya, Amita, Preeti, Deepika, Jeet and Pari, has scored different marks in an exam. Pari has scored more than Kirti but less than Siya. Deepika has scored less than Preeti but more than Amita. Kirti has scored more than Preeti but less than Pari. Siya is not the highest scorer.

Who has scored the highest marks?

Ans ☒ 1. Jeet

☐ 2. Pari

☐ 3. Preeti

☐ 4. Amita

Question ID : 264330144634

Option 1 ID : 264330566794

Option 2 ID : 264330566793

Option 3 ID : 264330566791

Option 4 ID : 264330566792

Status : Answered

Chosen Option : 2

Q.22 G is the brother of F. F is B's daughter. D is A's son and C's brother. B is the brother of C. How is B related to A?

Ans ☒ 1. Son

☐ 2. Father's mother

☐ 3. Mother

☐ 4. Father

Question ID : 26433089520

Option 1 ID : 264330351582

Option 2 ID : 264330351581

Option 3 ID : 264330351583

Option 4 ID : 264330351584

Status : Not Answered

Chosen Option : --

Q.23 Sarah departs from her house and walks 20 m towards East. She then turns left and walks 35 m. Now she turns left again and walks 27 m and stops. How far is she from a pole that is exactly 35 m north of her house? (Assuming that all turns are 90 degree turns only.)

Ans ☐ 1. 10 m

☒ 2. 7 m

☐ 3. 12 m

☐ 4. 47 m

Question ID : 264330129769

Option 1 ID : 264330508309

Option 2 ID : 264330508308

Option 3 ID : 264330508310

Option 4 ID : 264330508307

Status : Answered

Chosen Option : 2

Q.24 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Magnification
2. Magnitude
3. Magnet
4. Maid
5. Magic

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

 2. 5, 3, 2, 1, 4

 3. 5, 3, 1, 4, 2

 4. 5, 1, 3, 2, 4

Question ID : 264330129552

Option 1 ID : 264330507576

Option 2 ID : 264330507575

Option 3 ID : 264330507574

Option 4 ID : 264330507577

Status : Answered

Chosen Option : 1

Q.25 Which letter cluster will replace the question mark (?) to complete the given series?

SNR, QQN, OTJ, MWF, ?

Ans  1. JZC

 2. KZB

 3. KYB

 4. KZC

Question ID : 264330144573

Option 1 ID : 264330566550

Option 2 ID : 264330566549

Option 3 ID : 264330566548

Option 4 ID : 264330566547

Status : Answered

Chosen Option : 2

Q.26 Select the option that represents the letters which, when sequentially placed from left to right in the blanks below, will complete the letter series.

Z _ _ O _ _ M Y _ A Z _ Y O A

Ans  1. M Y A Z O M

 2. Z A M O M Y

 3. A O Z M Y M

 4. Y O M Z A O

Question ID : 26433086963

Option 1 ID : 264330341494

Option 2 ID : 264330341496

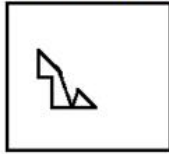
Option 3 ID : 264330341493

Option 4 ID : 264330341495

Status : Answered

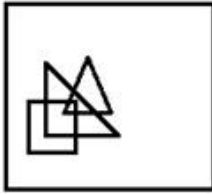
Chosen Option : 1

Q.27 Select the option in which the given figure is embedded (rotation is NOT allowed).

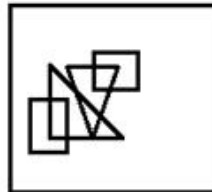


Ans

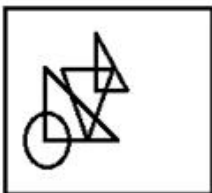
✗ 1.



✓ 2.



✗ 3.



✗ 4.



Question ID : 26433068178

Option 1 ID : 264330267226

Option 2 ID : 264330267225

Option 3 ID : 264330267224

Option 4 ID : 264330267227

Status : Answered

Chosen Option : 2

Q.28 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Drone : Bee :: Colt : ?

Ans ✗ 1. Cow

✗ 2. Vixen

✓ 3. Filly

✗ 4. Doe

Question ID : 264330144510

Option 1 ID : 264330566298

Option 2 ID : 264330566295

Option 3 ID : 264330566297

Option 4 ID : 264330566296

Status : Not Answered

Chosen Option : --

Q.29 Which letter cluster will replace the question mark (?) to complete the given series?

NGC, PJH, RMM, TPR, ?

- Ans ☒ 1. VTX
☒ 2. USW
☒ 3. VSW
☒ 4. UTY

Question ID : 264330144574

Option 1 ID : 264330566551

Option 2 ID : 264330566553

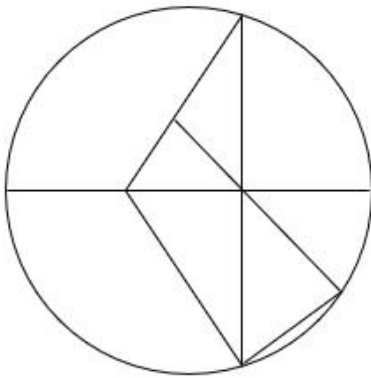
Option 3 ID : 264330566552

Option 4 ID : 264330566554

Status : Answered

Chosen Option : 3

Q.30 How many triangles are there in the given figure?



- Ans ☒ 1. 7
☒ 2. 6
☒ 3. 5
☒ 4. 8

Question ID : 26433068139

Option 1 ID : 264330267068

Option 2 ID : 264330267069

Option 3 ID : 264330267070

Option 4 ID : 264330267071

Status : Answered

Chosen Option : 2

Q.31 In a code language, 'BROWN' is coded as CTRUM and 'ENTER' is coded as FPWCQ . How will 'NOISE' be coded in the same language?

- Ans ☒ 1. OQLQD
☒ 2. OPKQD
☒ 3. OQLPD
☒ 4. OQMPD

Question ID : 264330139459

Option 1 ID : 264330546267

Option 2 ID : 264330546270

Option 3 ID : 264330546269

Option 4 ID : 264330546268

Status : Answered

Chosen Option : 1

Q.32 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

- 1 Cocoon
- 2 Egg
- 3 Butterfly
- 4 Caterpillar

Ans  1. 2, 4, 3, 1

 2. 2, 4, 1, 3

 3. 2, 1, 3, 4

 4. 2, 3, 1, 4

Question ID : 264330129677

Option 1 ID : 264330508074

Option 2 ID : 264330508075

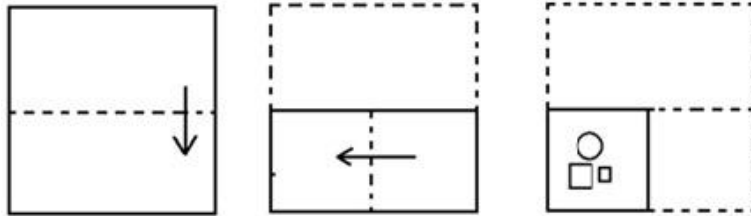
Option 3 ID : 264330508077

Option 4 ID : 264330508076

Status : Answered

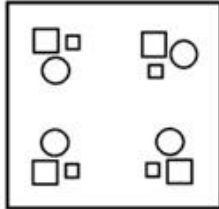
Chosen Option : 2

Q.33 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.

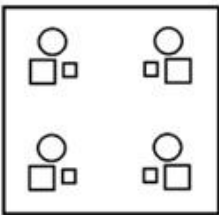


Ans

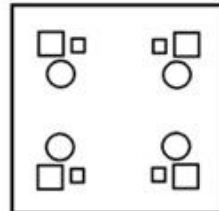
✗ 1.



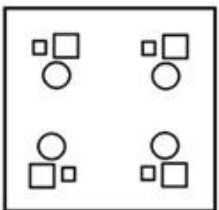
✗ 2.



✓ 3.



✗ 4.



Question ID : 264330103212

Option 1 ID : 264330405155

Option 2 ID : 264330405156

Option 3 ID : 264330405153

Option 4 ID : 264330405154

Status : Answered

Chosen Option : 3

Q.34 Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.

1. Deer
2. Elephant
3. Mouse
4. Jackal
5. Cat

Ans ☒ 1. 3, 5, 4, 1, 2

☐ 2. 5, 1, 3, 4, 2

☐ 3. 4, 5, 1, 2, 3

☐ 4. 2, 5, 1, 3, 4

Question ID : 26433074674

Option 1 ID : 264330292785

Option 2 ID : 264330292786

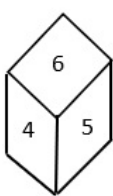
Option 3 ID : 264330292784

Option 4 ID : 264330292787

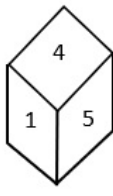
Status : Answered

Chosen Option : 1

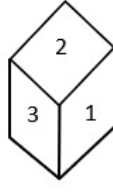
Q.35 Three different positions of the same dice are shown. Find the number on the face opposite to the face showing '6'.



(i)



(ii)



(iii)

Ans ☐ 1. 2

☐ 2. 4

☐ 3. 3

☒ 4. 1

Question ID : 264330102495

Option 1 ID : 264330402411

Option 2 ID : 264330402410

Option 3 ID : 264330402412

Option 4 ID : 264330402409

Status : Answered

Chosen Option : 1

Q.36 If '+' means ' \div ', ' \div ' means '+', ' \times ' means ' $-$ ', and ' $-$ ' means ' \times ', then what will be the value of the following expression?

$$[(25 \times 16) - (3 \div 2)] + (3 - 2) \div 5$$

Ans ☐ 1. 18

☐ 2. 20

☐ 3. 10

☒ 4. 15

Question ID : 264330131558

Option 1 ID : 264330515335

Option 2 ID : 264330515338

Option 3 ID : 264330515336

Option 4 ID : 264330515337

Status : Answered

Chosen Option : 4

Q.37 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
42 : 12 :: 77 : ? :: 91 : 19

- Ans ☒ 1. 19
☒ 2. 17
☒ 3. 15
☒ 4. 14

Question ID : 264330126048

Option 1 ID : 264330493867

Option 2 ID : 264330493864

Option 3 ID : 264330493866

Option 4 ID : 264330493865

Status : Not Answered

Chosen Option : --

Q.38 In a certain code language, "XPCF" is written as "WOBE" and "LRVA" is written as "KQUZ".
How will "BMWG" be written in that language?

- Ans ☒ 1. AMVH
☒ 2. BMWH
☒ 3. ALVF
☒ 4. ANWG

Question ID : 264330130328

Option 1 ID : 264330510423

Option 2 ID : 264330510425

Option 3 ID : 264330510426

Option 4 ID : 264330510424

Status : Answered

Chosen Option : 3

Q.39 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Timid : Bold :: Aggressive : ?

- Ans ☒ 1. Violent
☒ 2. Brave
☒ 3. Docile
☒ 4. Indifferent

Question ID : 264330144591

Option 1 ID : 264330566619

Option 2 ID : 264330566620

Option 3 ID : 264330566621

Option 4 ID : 264330566622

Status : Answered

Chosen Option : 2

Q.40 In a certain code language, 'CRAZE' is written as '87' and 'MAIZE' is written as '86'. How will 'DEPART' be written in that language?

Ans  1. 95

 2. 104

 3. 90

 4. 110

Question ID : 264330144556

Option 1 ID : 264330566480

Option 2 ID : 264330566479

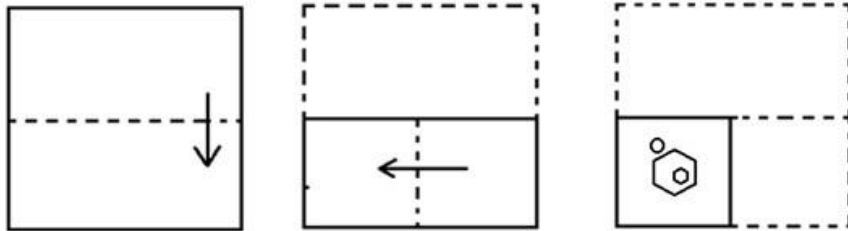
Option 3 ID : 264330566481

Option 4 ID : 264330566482

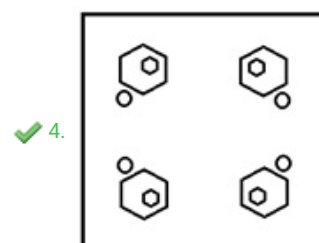
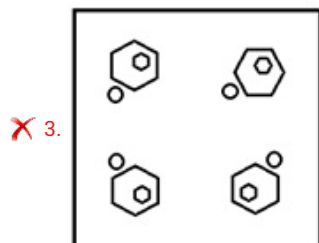
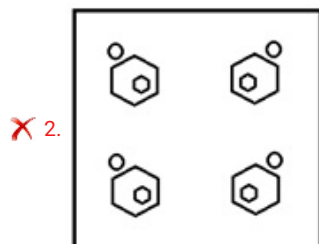
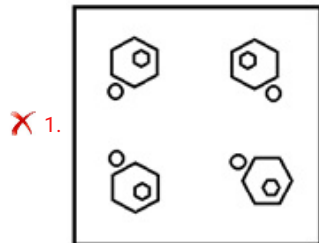
Status : **Not Answered**

Chosen Option : --

Q.41 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



Question ID : 264330103216

Option 1 ID : 264330405169

Option 2 ID : 264330405172

Option 3 ID : 264330405171

Option 4 ID : 264330405170

Status : Answered

Chosen Option : 4

Q.42 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Bear : Boar

- Ans
- ☒ 1. Sheep : lamb
 - ☒ 2. Ox : Cow
 - ☒ 3. Goose : Geese
 - ☒ 4. Chicken : Rooster

Question ID : 264330131984

Option 1 ID : 264330517033

Option 2 ID : 264330517032

Option 3 ID : 264330517031

Option 4 ID : 264330517034

Status : Answered

Chosen Option : 4

Q.43 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 26433074808

Option 1 ID : 264330293321

Option 2 ID : 264330293320

Option 3 ID : 264330293322

Option 4 ID : 264330293323

Status : Answered

Chosen Option : 2

Q.44 Select the number from among the given options that can replace the question mark (?) in the following series.
1, 6, 13, 26, 51, 96, ?

- Ans ☒ 1. 180
☒ 2. 118
☒ 3. 108
☒ 4. 171

Question ID : 26433079006

Option 1 ID : 264330310031

Option 2 ID : 264330310028

Option 3 ID : 264330310030

Option 4 ID : 264330310029

Status : Not Answered

Chosen Option : --

Q.45 Eight people are sitting in two parallel rows with four people each in such a way that there is equal distance between adjacent persons.

In row I – E, F, G and H are seated and all of them are facing south.

In row II – U, V, W and X are seated and all of them are facing north.

G sits exactly opposite U, who sits second from the right end of their row. F sits at the extreme right end of their row and is exactly opposite X. E sits between F and G and is exactly opposite V.

Who sits at the extreme left end of the row of people facing South?

- Ans ☒ 1. E
☒ 2. H
☒ 3. G
☒ 4. F

Question ID : 26433068755

Option 1 ID : 264330269535

Option 2 ID : 264330269534

Option 3 ID : 264330269533

Option 4 ID : 264330269532

Status : Answered

Chosen Option : 2

Q.46 Sonia starts walking from her home and goes 7 m east. From there she turns right and walks a certain distance called P m. Then, she turns left and walks 5 m, now she turns left again and walks 8 m. After that she takes another left turn and walks 12 m. If Sonia's current position is 22 m south of her home, then what is the value of P?

- Ans ☒ 1. 30
☒ 2. 22
☒ 3. 28
☒ 4. 34

Question ID : 264330129774

Option 1 ID : 264330508328

Option 2 ID : 264330508327

Option 3 ID : 264330508329

Option 4 ID : 264330508330

Status : Answered

Chosen Option : 1

Q.47 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Chicken : Strut

- Ans ☒ 1. Lion : Prowl
☐ 2. Mouse : Leap
☐ 3. Deer : Glide
☐ 4. Sparrow : Dive

Question ID : 264330132199

Option 1 ID : 264330517892

Option 2 ID : 264330517894

Option 3 ID : 264330517893

Option 4 ID : 264330517891

Status : Not Answered

Chosen Option : --

Q.48 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
784 : 26 :: 961 : ? :: 529 : 21

- Ans ☐ 1. 33
☒ 2. 29
☐ 3. 31
☐ 4. 27

Question ID : 26433078938

Option 1 ID : 264330309767

Option 2 ID : 264330309765

Option 3 ID : 264330309764

Option 4 ID : 264330309766

Status : Not Answered

Chosen Option : --

Q.49 Two statements are given followed by two conclusions numbered I and II. 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:

Some doctors are scientists.

Some scientists are engineers.

Conclusions:

I. All engineers are doctors.

II. Some doctors are engineers.

- Ans ☐ 1. Only conclusion I follows
☐ 2. Only conclusion II follows
☒ 3. Neither conclusion I nor II follows
☐ 4. Both conclusions I and II follow

Question ID : 264330144950

Option 1 ID : 264330568055

Option 2 ID : 264330568056

Option 3 ID : 264330568058

Option 4 ID : 264330568057

Status : Answered

Chosen Option : 3

Q.50 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Seismograph : Earthquake :: Anemometer : ?

- Ans
- ☒ 1. Light
 - ☒ 2. Wind
 - ☒ 3. Current
 - ☒ 4. Humidity

Question ID : 264330144513

Option 1 ID : 264330566310

Option 2 ID : 264330566308

Option 3 ID : 264330566307

Option 4 ID : 264330566309

Status : Answered

Chosen Option : 2

Section : General Awareness

Q.1 Which of the following articles guarantees that no person shall be punished on the basis of laws enacted after a crime has been committed?

- Ans
- ☒ 1. Article 21
 - ☒ 2. Article 20
 - ☒ 3. Article 22
 - ☒ 4. Article 19

Question ID : 264330112755

Option 1 ID : 264330443107

Option 2 ID : 264330443106

Option 3 ID : 264330443108

Option 4 ID : 264330443105

Status : Not Answered

Chosen Option : --

Q.2 How can using templates benefit users when creating a PowerPoint presentation?

- Ans
- ☒ 1. Templates allow users to insert audio and video clips into slides.
 - ☒ 2. Templates enable real-time collaboration with multiple users.
 - ☒ 3. Templates automatically generate slide content and animations.
 - ☒ 4. Templates provide a consistent design and save time in formatting.

Question ID : 264330168589

Option 1 ID : 264330661170

Option 2 ID : 264330661167

Option 3 ID : 264330661168

Option 4 ID : 264330661169

Status : Answered

Chosen Option : 1

Q.3 In September 2022, who among the following was elected as President of Hockey India?

- Ans ☐ 1. Dhanraj Pillay
- ☒ 2. Dilip Tirkey
- ☐ 3. Surender Kumar
- ☐ 4. Harmanpreet Singh

Question ID : 264330133014
Option 1 ID : 264330521111
Option 2 ID : 264330521113
Option 3 ID : 264330521112
Option 4 ID : 264330521114
Status : Answered
Chosen Option : 4

Q.4 Identify the INCORRECT statement about fermentation.

- Ans ☐ 1. The fermentation technique is used to make breads.
- ☒ 2. Fermentation occurs only in fungal cells.
- ☐ 3. Yeast is used in fermentation technology to prepare alcohol.
- ☐ 4. It is the process of breaking down sugar into alcohol.

Question ID : 264330109936
Option 1 ID : 264330432022
Option 2 ID : 264330432024
Option 3 ID : 264330432023
Option 4 ID : 264330432021
Status : Not Answered
Chosen Option : --

Q.5 Which of the following food additives are helpful to combine products containing immiscible food ingredients, such as oil and water, with one another?

- Ans ☐ 1. Food sweeteners
- ☐ 2. Food preservatives
- ☐ 3. Food stabilisers
- ☒ 4. Food emulsifiers

Question ID : 264330112840
Option 1 ID : 264330443447
Option 2 ID : 264330443448
Option 3 ID : 264330443445
Option 4 ID : 264330443446
Status : Not Answered
Chosen Option : --

Q.6 Burnpur in West Bengal is famous for which of the following industries?

- Ans ☐ 1. Software industry
- ☐ 2. Ship building industry
- ☒ 3. Iron and steel industry
- ☐ 4. Aeronautics industry

Question ID : 264330113270
Option 1 ID : 264330445168
Option 2 ID : 264330445167
Option 3 ID : 264330445165
Option 4 ID : 264330445166
Status : Answered
Chosen Option : 2

Q.7 In which state of India is the Bhadla Solar Power Park established?

- Ans ☐ 1. Gujarat
☐ 2. Odisha
☐ 3. Madhya Pradesh
☒ 4. Rajasthan

Question ID : 264330138064

Option 1 ID : 264330540866

Option 2 ID : 264330540865

Option 3 ID : 264330540864

Option 4 ID : 264330540863

Status : Answered

Chosen Option : 2

Q.8 Who studied ecological succession in the Indiana Dunes of Northwest Indiana in the 1890s?

- Ans ☐ 1. Frederic Clements
☒ 2. Henry Chandler Cowles
☐ 3. Charles Elton
☐ 4. G Evelyn Hutchinson

Question ID : 264330144347

Option 1 ID : 264330565647

Option 2 ID : 264330565650

Option 3 ID : 264330565648

Option 4 ID : 264330565649

Status : Not Answered

Chosen Option : --

Q.9 Which of the following groups of rivers is placed in the correct sequence from north to south of the Peninsular River?

- Ans ☐ 1. Godavari-Krishna-Kaveri-Mahanadi
☐ 2. Godavari-Mahanadi-Krishna-Kaveri
☐ 3. Godavari-Krishna-Mahanadi-Kaveri
☒ 4. Mahanadi-Godavari-Krishna-Kaveri

Question ID : 264330132727

Option 1 ID : 264330520006

Option 2 ID : 264330520003

Option 3 ID : 264330520005

Option 4 ID : 264330520004

Status : Answered

Chosen Option : 4

Q.10 The salaries and allowances of the Speaker and the Deputy Speaker of the Legislative Assembly and Chairman and Deputy Chairman of the State Legislative Council are fixed by the _____.

- Ans ☐ 1. State Cabinet
☐ 2. Chief Minister
☒ 3. State legislature
☐ 4. Governor of the State

Question ID : 264330130496

Option 1 ID : 264330511098

Option 2 ID : 264330511097

Option 3 ID : 264330511096

Option 4 ID : 264330511095

Status : Not Answered

Chosen Option : --

Q.11 What is the percentage increase in the total literacy rate in 2011 over 2001?

- Ans
- ☐ 1. 8.99%
 - ☐ 2. 8.67%
 - ☐ 3. 7.90%
 - ☒ 4. 9.21%

Question ID : 264330119815

Option 1 ID : 264330469536

Option 2 ID : 264330469537

Option 3 ID : 264330469535

Option 4 ID : 264330469538

Status : Answered

Chosen Option : 2

Q.12 A financial institution can be a banking institution only when it _____.

- Ans
- ☐ 1. performs the function of 'advancing loans' and not 'accepting deposits'
 - ☐ 2. performs the function of 'accepting deposits' and not 'advancing loans'
 - ☒ 3. performs both the functions of 'accepting deposits' and 'advancing loans'
 - ☐ 4. neither performs the function of 'accepting deposits' nor of 'advancing loans'

Question ID : 264330144408

Option 1 ID : 264330565888

Option 2 ID : 264330565887

Option 3 ID : 264330565889

Option 4 ID : 264330565890

Status : Answered

Chosen Option : 3

Q.13 What architecture is the famous black pagoda temple situated in Konark?

- Ans
- ☐ 1. Gadaga architecture
 - ☐ 2. Champa architecture
 - ☒ 3. Kalinga architecture
 - ☐ 4. Dravid architecture

Question ID : 26433072659

Option 1 ID : 264330284896

Option 2 ID : 264330284898

Option 3 ID : 264330284897

Option 4 ID : 264330284899

Status : Answered

Chosen Option : 3

Q.14 Which is a circular basin covering an area of 5.427 million square miles surrounded by North America and Eurasia?

- Ans
- ☐ 1. Atlantic Ocean
 - ☒ 2. Arctic Ocean
 - ☐ 3. Pacific Ocean
 - ☐ 4. Indian Ocean

Question ID : 264330110205

Option 1 ID : 264330433098

Option 2 ID : 264330433099

Option 3 ID : 264330433100

Option 4 ID : 264330433097

Status : Not Answered

Chosen Option : --

Q.15 The Board of Control established to control company affairs had how many members?

- Ans ☐ 1. Three
☐ 2. Five
☒ 3. Six
☐ 4. Four

Question ID : 264330112170
Option 1 ID : 264330440765
Option 2 ID : 264330440767
Option 3 ID : 264330440768
Option 4 ID : 264330440766
Status : Answered
Chosen Option : 1

Q.16 Which of the following Articles of the Indian Constitution mentioned that the Prime Minister is appointed by the President of India?

- Ans ☐ 1. 57
☐ 2. 70
☐ 3. 71
☒ 4. 75

Question ID : 264330120160
Option 1 ID : 264330470896
Option 2 ID : 264330470898
Option 3 ID : 264330470897
Option 4 ID : 264330470895
Status : Not Answered
Chosen Option : --

Q.17 Which of the following food groups is rich source of Vitamin B12?

- Ans ☐ 1. Cereals and grains products
☒ 2. Milk and meat products
☐ 3. Pulses and legumes
☐ 4. Fruits and vegetables

Question ID : 264330113328
Option 1 ID : 264330445397
Option 2 ID : 264330445399
Option 3 ID : 264330445398
Option 4 ID : 264330445400
Status : Not Answered
Chosen Option : --

Q.18 According to _____ of the Constitution of India, no person shall be compelled to pay any taxes for the promotion of a particular religion.

- Ans ☐ 1. Article 26
☐ 2. Article 28
☐ 3. Article 25
☒ 4. Article 27

Question ID : 264330130433
Option 1 ID : 264330510844
Option 2 ID : 264330510846
Option 3 ID : 264330510843
Option 4 ID : 264330510845
Status : Not Answered
Chosen Option : --

Q.19 Which of the following statements is NOT correct about angiosperms?

- Ans
- ☒ 1. Double fertilisation is a characteristic of angiosperms.
 - ☒ 2. These are also called flowering plants.
 - ☒ 3. These are seedless plants.
 - ☒ 4. These plants have covered seeds.

Question ID : 264330109909

Option 1 ID : 264330431915

Option 2 ID : 264330431914

Option 3 ID : 264330431913

Option 4 ID : 264330431916

Status : Not Answered

Chosen Option : --

Q.20 In which of the following states of India is the legislative assembly election was held in late 2022?

- Ans
- ☒ 1. Himachal Pradesh
 - ☒ 2. Karnataka
 - ☒ 3. Rajasthan
 - ☒ 4. Nagaland

Question ID : 26433090626

Option 1 ID : 264330355928

Option 2 ID : 264330355926

Option 3 ID : 264330355927

Option 4 ID : 264330355925

Status : Not Answered

Chosen Option : --

Q.21 Who used to supervise the work of collection of revenue in the Mauryan Kingdom?

- Ans
- ☒ 1. Sannidhata
 - ☒ 2. Prativedak
 - ☒ 3. Rajuka
 - ☒ 4. Samaharta

Question ID : 264330112135

Option 1 ID : 264330440626

Option 2 ID : 264330440628

Option 3 ID : 264330440627

Option 4 ID : 264330440625

Status : Not Answered

Chosen Option : --

Q.22 Which of the following connects the continental shelf and the ocean basins?

- Ans
- ☒ 1. Seamount
 - ☒ 2. Mid oceanic ridges
 - ☒ 3. Deep sea plains
 - ☒ 4. Continental slope

Question ID : 264330113363

Option 1 ID : 264330445537

Option 2 ID : 264330445540

Option 3 ID : 264330445539

Option 4 ID : 264330445538

Status : Not Answered

Chosen Option : --

Q.23 Which of the following statements is INCORRECT with respect to Special Capital Linked Subsidy Scheme for Service Sector?

- Ans ☒ 1. It was launched from Guwahati.
- ☒ 2. It has been launched in 2022.
- ☒ 3. Capital subsidy of 25% will be provided for procurement of Plant & Machinery and service equipment's through institutional credit to the SC-ST MSEs.
- ☒ 4. The Ministry of MSME is the implementing ministry for the scheme.

Question ID : 264330156914

Option 1 ID : 264330615033

Option 2 ID : 264330615031

Option 3 ID : 264330615034

Option 4 ID : 264330615032

Status : Not Answered

Chosen Option : --

Q.24 Which of the following countries is the host of the Asian boxing Championship 2022?

- Ans ☒ 1. Iran
- ☒ 2. Kazakhstan
- ☒ 3. Jordan
- ☒ 4. Russia

Question ID : 264330109715

Option 1 ID : 264330431138

Option 2 ID : 264330431139

Option 3 ID : 264330431137

Option 4 ID : 264330431140

Status : Not Answered

Chosen Option : --

Q.25 Which of the following is the correct match of the column-A with column-B?

Column-A (Lake)

- i. Lake Victoria
- ii. Lake Superior
- iii. Caspian Sea
- iv. Lake Eyre

Column-B (Continent)

- a. North America
- b. Australia
- c. Africa
- d. Asia

- Ans ☒ 1. i-c, ii-a, iii-d, iv-b
- ☒ 2. i-c, ii-d, iii-a, iv-b
- ☒ 3. i-d, ii-c, iii-b, iv-a
- ☒ 4. i-c, ii-d, iii-b, iv-a

Question ID : 264330131825

Option 1 ID : 264330516399

Option 2 ID : 264330516400

Option 3 ID : 264330516402

Option 4 ID : 264330516401

Status : Answered

Chosen Option : 3

Q.26 Acidified KMnO_4 can be used:

- Ans
- ☒ 1. to get alcohol directly from carboxylic acids
 - ☒ 2. to get formic acid from formaldehyde
 - ☒ 3. to get carboxylic acids directly from alcohol
 - ☒ 4. to get glycerol from glucose

Question ID : 264330118019

Option 1 ID : 264330463892

Option 2 ID : 264330463893

Option 3 ID : 264330463891

Option 4 ID : 264330463894

Status : Not Answered

Chosen Option : --

Q.27 Which of the following is Mohr's salt, used in analytical chemistry as a preferred source of ferrous ions?

- Ans
- ☒ 1. $\text{FeC}_2\text{O}_4 \cdot 6\text{H}_2\text{O}$
 - ☒ 2. $\text{FeSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 \cdot 6\text{H}_2\text{O}$
 - ☒ 3. $\text{K}_4[\text{Fe}(\text{CN})_6] \cdot 6\text{H}_2\text{O}$
 - ☒ 4. $\text{C}_4\text{H}_2\text{FeO}_4 \cdot 6\text{H}_2\text{O}$

Question ID : 264330133267

Option 1 ID : 264330522118

Option 2 ID : 264330522115

Option 3 ID : 264330522116

Option 4 ID : 264330522117

Status : Not Answered

Chosen Option : --

Q.28 In order to claim the accumulation of income, trusts or charitable institutions must file Form 9A and Form 10 at least _____ prior to the deadline for filing the return of income as per Finance Bill 2023.

- Ans
- ☒ 1. 2 months
 - ☒ 2. 6 months
 - ☒ 3. 3 months
 - ☒ 4. 1 month

Question ID : 264330156938

Option 1 ID : 264330615130

Option 2 ID : 264330615129

Option 3 ID : 264330615128

Option 4 ID : 264330615127

Status : Not Answered

Chosen Option : --

Q.29 In June 2022, who among the following took an oath as Delhi High Court Chief Justice?

- Ans
- ☐ 1. Justice Sanjay Karol
 - ☐ 2. Justice Vipin Sanghi
 - ☒ 3. Justice Satish Chandra Sharma
 - ☐ 4. Justice Dhirubhai Naranbhai Patel

Question ID : 264330137299

Option 1 ID : 264330537826

Option 2 ID : 264330537824

Option 3 ID : 264330537825

Option 4 ID : 264330537823

Status : Not Answered

Chosen Option : --

Q.30 India's drainage system is divided on the basis of the size of the watershed. Which of the following is NOT a part of the drainage basin of India?

- Ans
- ☒ 1. Average river basin
 - ☐ 2. Medium river basin
 - ☐ 3. Major river basin
 - ☐ 4. Minor river basin

Question ID : 26433064100

Option 1 ID : 264330250995

Option 2 ID : 264330250993

Option 3 ID : 264330250992

Option 4 ID : 264330250994

Status : Answered

Chosen Option : 2

Q.31 Which are the two most common minerals found in rocks?

- Ans
- ☐ 1. Bauxite and Calcite
 - ☒ 2. Feldspar and quartz
 - ☐ 3. Mica and calcite
 - ☐ 4. Amphibole and olivine

Question ID : 264330135591

Option 1 ID : 264330531266

Option 2 ID : 264330531265

Option 3 ID : 264330531263

Option 4 ID : 264330531264

Status : Answered

Chosen Option : 1

Q.32 Which of the following is a hydroxybenzaldehyde that possesses a hydroxy substituent at position 2 extracted from the herb 'meadow sweet'?

- Ans
- ☐ 1. Cinnamaldehyde
 - ☐ 2. Acetaldehyde
 - ☒ 3. Salicylaldehyde
 - ☐ 4. Formaldehyde

Question ID : 264330114591

Option 1 ID : 264330450451

Option 2 ID : 264330450450

Option 3 ID : 264330450452

Option 4 ID : 264330450449

Status : Not Answered

Chosen Option : --

Q.33 Which of the following musical instruments was played by Ustad Bismillah Khan on the eve of India's independence in the year 1947?

- Ans ☒ 1. Bugle
☒ 2. Shehnai
☒ 3. Sarangi
☒ 4. Bansuri

Question ID : 26433071510
Option 1 ID : 264330280465
Option 2 ID : 264330280464
Option 3 ID : 264330280466
Option 4 ID : 264330280467
Status : Not Answered
Chosen Option : --

Q.34 What is the unemployment rate (in percent) in urban area as per the report of Periodic Labor Force Survey (PLFS) 2020-21?

- Ans ☒ 1. 10.8
☒ 2. 7.2
☒ 3. 6.7
☒ 4. 4.0

Question ID : 264330111357
Option 1 ID : 264330437516
Option 2 ID : 264330437514
Option 3 ID : 264330437513
Option 4 ID : 264330437515
Status : Not Answered
Chosen Option : --

Q.35 Domingo Paes was a _____ traveller, who visited the Vijayanagara empire in the 16th century.

- Ans ☒ 1. Russian
☒ 2. Italian
☒ 3. Spanish
☒ 4. Portuguese

Question ID : 26433089875
Option 1 ID : 264330352977
Option 2 ID : 264330352980
Option 3 ID : 264330352979
Option 4 ID : 264330352978
Status : Not Answered
Chosen Option : --

Q.36 Which of following was established in Madras in 1864?

- Ans ☒ 1. Veda Samaj
☒ 2. Singh Sabha Samaj
☒ 3. Arya Mahila Samaj
☒ 4. Brahmo Samaj

Question ID : 264330111405
Option 1 ID : 264330437706
Option 2 ID : 264330437708
Option 3 ID : 264330437705
Option 4 ID : 264330437707
Status : Not Answered
Chosen Option : --

Q.37 Chhau is a recognised dance form, for which Shashidhar Acharya received the Padma Shri. To which part of the country does this dance form belong?

- Ans
- ☒ 1. Western
 - ☒ 2. Eastern
 - ☒ 3. Southern
 - ☒ 4. Central

Question ID : 26433064800
Option 1 ID : 264330253794
Option 2 ID : 264330253792
Option 3 ID : 264330253793
Option 4 ID : 264330253795
Status : Not Answered
Chosen Option : --

Q.38 Which option allows you to import recipient addresses from a spreadsheet when creating mailing labels in MS Word?

- Ans
- ☒ 1. Mail Merge Wizard
 - ☒ 2. Create Labels
 - ☒ 3. Import Data
 - ☒ 4. Merge and Print

Question ID : 264330168597
Option 1 ID : 264330661201
Option 2 ID : 264330661202
Option 3 ID : 264330661199
Option 4 ID : 264330661200
Status : Not Answered
Chosen Option : --

Q.39 What was the motto of the National Games of India 2022?

- Ans
- ☒ 1. Celebrating sports through unity
 - ☒ 2. Celebrating brotherhood through sports
 - ☒ 3. Celebrating unity through sports
 - ☒ 4. Celebrating diversity through sports

Question ID : 264330119249
Option 1 ID : 264330467283
Option 2 ID : 264330467286
Option 3 ID : 264330467285
Option 4 ID : 264330467284
Status : Answered
Chosen Option : 2

Q.40 The idea of Fundamental Duties has been borrowed from the Constitution of:

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

Question ID : 26433089956
Option 1 ID : 264330353302
Option 2 ID : 264330353304
Option 3 ID : 264330353303
Option 4 ID : 264330353301
Status : Answered
Chosen Option : 2

Q.41 Which period best defines the period of the first Green Revolution in India?

- Ans ☒ 1. Mid 1960s to early 1980s
☐ 2. Mid 1950s to early 1960s
☐ 3. Mid 1990s to early 2010s
☐ 4. Mid 1980s to early 1990s

Question ID : 264330112900

Option 1 ID : 264330443686

Option 2 ID : 264330443685

Option 3 ID : 264330443688

Option 4 ID : 264330443687

Status : Not Answered

Chosen Option : --

Q.42 Which of the following statements is INCORRECT about vinegar?

- Ans ☐ 1. It is produced by 2-step fermentation.
☐ 2. It can be used as a food preservative.
☒ 3. It is a combination of acetic acid and formic acid.
☐ 4. Vinegar is a combination of acetic acid and water.

Question ID : 264330112841

Option 1 ID : 264330443451

Option 2 ID : 264330443449

Option 3 ID : 264330443452

Option 4 ID : 264330443450

Status : Not Answered

Chosen Option : --

Q.43 What work was published by John Dalton in 1808 that provided a physical picture of how elements combine to form compounds and an unprecedented reason to believe that atoms exist?

- Ans ☐ 1. Lessons in Chemical Philosophy
☐ 2. From Chemical Philosophy to Theoretical Chemistry
☒ 3. A New System of Chemical Philosophy
☐ 4. Introduction to the Study of Chemical Philosophy

Question ID : 264330141678

Option 1 ID : 264330555034

Option 2 ID : 264330555031

Option 3 ID : 264330555032

Option 4 ID : 264330555033

Status : Not Answered

Chosen Option : --

Q.44 The 'PRASHAD' scheme of the Government of India is associated with which ministry of the government?

- Ans ☐ 1. Culture
☐ 2. Tribal Affairs
☒ 3. Tourism
☐ 4. Education

Question ID : 264330158456

Option 1 ID : 264330621183

Option 2 ID : 264330621185

Option 3 ID : 264330621186

Option 4 ID : 264330621184

Status : Not Answered

Chosen Option : --

Q.45 The question consists of two statements, namely, Assertion (A) and Reason (R). Use them to choose the correct alternative. Read the following statements and select the correct alternative

Assertion (A): Expenditure on interest payment is a capital expenditure

Reason (R): Interest payments neither creates any assets nor causes a reduction in liabilities of the government.

- Ans ☒ 1. Both A and R are true, but R is not the correct explanation of A
- ☒ 2. A is false but R is true
- ☒ 3. A is true and R is false
- ☒ 4. Both A and R are true, and R is the correct explanation of A

Question ID : 264330108902

Option 1 ID : 264330427886

Option 2 ID : 264330427888

Option 3 ID : 264330427887

Option 4 ID : 264330427885

Status : Not Answered

Chosen Option : --

Q.46 Which is the least populated state according to the census of 2011?

- Ans ☒ 1. Sikkim
- ☒ 2. Nagaland
- ☒ 3. Tripura
- ☒ 4. Arunachal Pradesh

Question ID : 264330119239

Option 1 ID : 264330467243

Option 2 ID : 264330467245

Option 3 ID : 264330467244

Option 4 ID : 264330467246

Status : Answered

Chosen Option : 1

Q.47 According to the Census of India 2011, identify the least literate state.

- Ans ☒ 1. Madhya Pradesh
- ☒ 2. Bihar
- ☒ 3. Uttar Pradesh
- ☒ 4. Rajasthan

Question ID : 264330157094

Option 1 ID : 264330615749

Option 2 ID : 264330615747

Option 3 ID : 264330615748

Option 4 ID : 264330615750

Status : Answered

Chosen Option : 3

Q.48 Who among the following Bengal Nawabs transferred his capital from Murshidabad to Monghyr?

- Ans ☒ 1. Mir Kasim
☐ 2. Siraj-ud-Daulah
☐ 3. Mir Jafar
☐ 4. Alivardi Khan

Question ID : 264330109054

Option 1 ID : 264330428493

Option 2 ID : 264330428494

Option 3 ID : 264330428495

Option 4 ID : 264330428496

Status : Not Answered

Chosen Option : --

Q.49 In which century was the Kuchipudi style of Yakshagaana conceived by Siddhendra Yogi?

- Ans ☐ 1. 14th
☐ 2. 15th
☒ 3. 17th
☐ 4. 16th

Question ID : 26433090715

Option 1 ID : 264330356281

Option 2 ID : 264330356282

Option 3 ID : 264330356284

Option 4 ID : 264330356283

Status : Not Answered

Chosen Option : --

Q.50 Sulochana Chavan is associated with _____ folk music.

- Ans ☐ 1. Baul
☐ 2. Pandavani
☐ 3. Bihu Geet
☒ 4. Lavani Geet

Question ID : 26433082117

Option 1 ID : 264330322302

Option 2 ID : 264330322304

Option 3 ID : 264330322303

Option 4 ID : 264330322301

Status : Not Answered

Chosen Option : --

Q.1 What is core-stepping in core-type transformers?

- Ans
- ☐ 1. A method to increase the length of the mean turn
 - ☒ 2. A method to reduce the length of the mean turn
 - ☐ 3. A method to reduce the space factor
 - ☐ 4. A method to increase the R loss

Question ID : 264330162927

Option 1 ID : 264330639023

Option 2 ID : 264330639024

Option 3 ID : 264330639026

Option 4 ID : 264330639025

Status : Answered

Chosen Option : 3

Q.2 A resistor of resistance $R \Omega$ is connected in series with a coil having an inductance of L henry. If X_L is the value of inductive reactance, what is the value of net impedance of the circuit?

- Ans
- ☐ 1. $\frac{\sqrt{X_L}}{R}$
 - ☐ 2. $\frac{\sqrt{R}}{X_L}$
 - ☐ 3. $\sqrt{R^2 - X_L^2}$
 - ☒ 4. $\sqrt{R^2 + X_L^2}$

Question ID : 26433096121

Option 1 ID : 264330377255

Option 2 ID : 264330377256

Option 3 ID : 264330377254

Option 4 ID : 264330377253

Status : Answered

Chosen Option : 4

Q.3 In case of electrical energy, the joule is also expressed as the ____.

- Ans
- ☐ 1. meter-second
 - ☒ 2. watt-second
 - ☐ 3. newton-second
 - ☐ 4. joule-second

Question ID : 264330157611

Option 1 ID : 264330617806

Option 2 ID : 264330617804

Option 3 ID : 264330617803

Option 4 ID : 264330617805

Status : Answered

Chosen Option : 2

Q.4 The permanent magnet synchronous motor has a configuration almost identical to the conventional synchronous machine with the absence of _____.

- Ans
- ☐ 1. stationary magnetic field
 - ☐ 2. air gap between stator and rotor
 - ☐ 3. field winding and rotating magnetic field
 - ☒ 4. field winding and slip ring

Question ID : 264330164862

Option 1 ID : 264330646577

Option 2 ID : 264330646578

Option 3 ID : 264330646576

Option 4 ID : 264330646575

Status : Answered

Chosen Option : 4

Q.5 What is the purpose of laminating the core of a transformer?

- Ans
- ☐ 1. To increase the eddy current loss
 - ☐ 2. To make the core heavier
 - ☒ 3. To minimise the eddy current loss
 - ☐ 4. To induce eddy current loss

Question ID : 264330162922

Option 1 ID : 264330639004

Option 2 ID : 264330639006

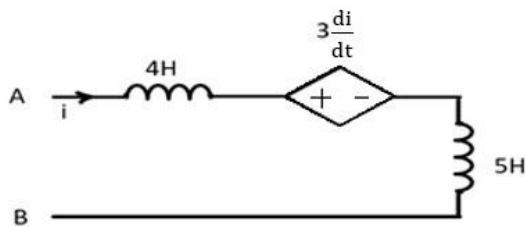
Option 3 ID : 264330639005

Option 4 ID : 264330639003

Status : Answered

Chosen Option : 3

Q.6 Find the value of the equivalent inductance as seen from the open terminal for the diagram shown below.



- Ans
- ☐ 1. 10H
 - ☐ 2. 9H
 - ☐ 3. 24H
 - ☒ 4. 12H

Question ID : 26433096409

Option 1 ID : 264330378375

Option 2 ID : 264330378374

Option 3 ID : 264330378376

Option 4 ID : 264330378373

Status : Answered

Chosen Option : 4

Q.7 The shaded-pole induction motors are of _____.

- Ans ☒ 1. low cost
- ☐ 2. high cost
- ☐ 3. zero cost
- ☐ 4. very high cost

Question ID : 264330164879

Option 1 ID : 264330646643

Option 2 ID : 264330646644

Option 3 ID : 264330646646

Option 4 ID : 264330646645

Status : Answered

Chosen Option : 1

Q.8 Which of the following types of cooling is more economical for very large transformers of rating 100 MVA?

- Ans ☒ 1. Oil forced water forced
- ☐ 2. Oil natural air natural
- ☐ 3. Oil forced air forced
- ☐ 4. Oil natural air forced

Question ID : 264330163316

Option 1 ID : 264330640566

Option 2 ID : 264330640563

Option 3 ID : 264330640565

Option 4 ID : 264330640564

Status : Answered

Chosen Option : 1

Q.9 Which of the following is NOT an application of shaded-pole induction motor?

- Ans ☐ 1. Fans for refrigeration
- ☐ 2. Hair drier
- ☒ 3. A lift of a building
- ☐ 4. Table fan

Question ID : 264330164877

Option 1 ID : 264330646638

Option 2 ID : 264330646637

Option 3 ID : 264330646635

Option 4 ID : 264330646636

Status : Answered

Chosen Option : 3

Q.10 Which of the following points clearly describe the need for a back-to-back converter connected to the rotor of a doubly fed induction generator [DFIG] used in wind power plants?
(i) It feeds the rotor with currents of fixed frequency and thus, helps in achieving a fixed range of speed.
(ii) It feeds the rotor with currents of varying frequency and thus, helps in achieving various ranges of speed.
(iii) It helps in power factor correction by adjusting the active power output of the DFIG.
(iv) It helps in power factor correction by adjusting the reactive power output of the DFIG.

Ans ☒ 1. (i) and (iv)

☒ 2. (ii) and (iv)

☒ 3. (ii) and (iii)

☒ 4. (i) and (iii)

Question ID : 264330158081

Option 1 ID : 264330619684

Option 2 ID : 264330619685

Option 3 ID : 264330619686

Option 4 ID : 264330619683

Status : Answered

Chosen Option : 2

Q.11 In a metal filament bulb, the filament used as a heating coil is tungsten due to its ____.

Ans ☒ 1. low melting point and high resistivity

☒ 2. low melting point and low resistivity

☒ 3. high melting point and high resistivity

☒ 4. high melting point and low resistivity

Question ID : 264330157602

Option 1 ID : 264330617768

Option 2 ID : 264330617767

Option 3 ID : 264330617770

Option 4 ID : 264330617769

Status : Answered

Chosen Option : 4

Q.12 What is the magnetising current of a transformer?

Ans ☒ 1. The current drawn by the secondary winding when a load is connected.

☒ 2. The current drawn by the primary winding when the secondary is on open circuit.

☒ 3. The current flowing through the insulation between the primary and secondary windings.

☒ 4. The current flowing through the ferromagnetic core.

Question ID : 264330162919

Option 1 ID : 264330638992

Option 2 ID : 264330638991

Option 3 ID : 264330638994

Option 4 ID : 264330638993

Status : Answered

Chosen Option : 2

Q.13 Which sort of contract requires contractors to provide individual price quotes for all work to be performed?

- Ans
- ☐ 1. Lump sum contract
 - ☐ 2. Schedule rate contract
 - ☒ 3. Item rate contract
 - ☐ 4. Percentage rate contract

Question ID : 264330158162

Option 1 ID : 264330620007

Option 2 ID : 264330620010

Option 3 ID : 264330620009

Option 4 ID : 264330620008

Status : Not Answered

Chosen Option : --

Q.14 What will be the direction of deflecting torque in a moving iron instrument if the direction of current in the coil is reversed at the same magnitude?

- Ans
- ☐ 1. Reduced to zero
 - ☐ 2. Reverse direction
 - ☐ 3. Reduced by half
 - ☒ 4. Same direction

Question ID : 264330157592

Option 1 ID : 264330617729

Option 2 ID : 264330617727

Option 3 ID : 264330617730

Option 4 ID : 264330617728

Status : Answered

Chosen Option : 4

Q.15 In a phasing out test, a voltmeter connected to the winding shows deflection when the supply is given; this indicates that this is _____.

- Ans
- ☐ 1. both primary and secondary winding
 - ☐ 2. primary winding only
 - ☒ 3. secondary winding only
 - ☐ 4. tertiary winding only

Question ID : 26433096699

Option 1 ID : 264330379536

Option 2 ID : 264330379533

Option 3 ID : 264330379534

Option 4 ID : 264330379535

Status : Not Answered

Chosen Option : --

Q.16 In a PMMC instrument, if the controlling torque is too high, what effect will it have on the accuracy of the instrument?

- Ans ☒ 1. The accuracy of the instrument will decrease.
- ☐ 2. The instrument will stop working.
- ☐ 3. The accuracy of the instrument will remain unaffected.
- ☐ 4. The accuracy of the instrument will increase.

Question ID : 264330160647

Option 1 ID : 264330629920

Option 2 ID : 264330629922

Option 3 ID : 264330629921

Option 4 ID : 264330629919

Status : Answered

Chosen Option : 2

Q.17 An electric kettle consumes 10kw of electric power when operated at 200 V. A fuse wire of what rating must be used for it?

- Ans ☐ 1. 40A
- ☒ 2. 50A
- ☐ 3. 10A
- ☐ 4. 30A

Question ID : 264330160205

Option 1 ID : 264330628161

Option 2 ID : 264330628162

Option 3 ID : 264330628159

Option 4 ID : 264330628160

Status : Answered

Chosen Option : 2

Q.18 What kind of error does it constitute if only one of the parties to a contract misunderstands its terms or scope?

- Ans ☒ 1. Unilateral mistake
- ☐ 2. Mutual mistake
- ☐ 3. Multilateral mistake
- ☐ 4. Bilateral mistake

Question ID : 264330158156

Option 1 ID : 264330619986

Option 2 ID : 264330619983

Option 3 ID : 264330619984

Option 4 ID : 264330619985

Status : Not Answered

Chosen Option : --

Q.19 Which of the following is the outermost layer of an underground cable?

- Ans ☐ 1. Armour
- ☐ 2. Insulation
- ☐ 3. Sheath
- ☒ 4. Serving

Question ID : 264330158125

Option 1 ID : 264330619862

Option 2 ID : 264330619859

Option 3 ID : 264330619860

Option 4 ID : 264330619861

Status : Answered

Chosen Option : 4

Q.20 Which option among the following is correctly associated with the 'Auxiliary motor starting'?

- Ans ☐ 1. A damper winding is used for the starting purpose of the starting of the synchronous motor.
- ☒ 2. A small direct-coupled induction motor, called pony motor, is used for the starting purpose of the synchronous motor.
- ☐ 3. A DC supply and DC compound motor is used for the starting purpose of the starting of the synchronous motor.
- ☐ 4. A squirrel cage winding is used for the starting purpose of the starting of the synchronous motor.

Question ID : 264330164908

Option 1 ID : 264330646759

Option 2 ID : 264330646760

Option 3 ID : 264330646761

Option 4 ID : 264330646762

Status : Answered

Chosen Option : 2

Q.21 The total inductance of two coupled coils in the 'series aiding' and 'series opposing' connections are 4 H and 2 H, respectively. The value of mutual inductance will be _____.

- Ans ☐ 1. 0.75 H
- ☐ 2. 0.2 H
- ☐ 3. 0.33 H
- ☒ 4. 0.5 H

Question ID : 26433096868

Option 1 ID : 264330380212

Option 2 ID : 264330380209

Option 3 ID : 264330380210

Option 4 ID : 264330380211

Status : Answered

Chosen Option : 4

Q.22 The type of armature winding used in large high-voltage alternators is:

- Ans ☐ 1. two layer winding
- ☐ 2. lap winding
- ☒ 3. concentric winding
- ☐ 4. wave winding

Question ID : 26433099514

Option 1 ID : 264330390669

Option 2 ID : 264330390671

Option 3 ID : 264330390670

Option 4 ID : 264330390672

Status : Answered

Chosen Option : 4

Q.23 FET is like a switched on condition when it operates in ____ mode.

- Ans
- ☐ 1. cut off
 - ☐ 2. ohmic
 - ☐ 3. inversion
 - ☒ 4. saturation

Question ID : 264330159778

Option 1 ID : 264330626461

Option 2 ID : 264330626459

Option 3 ID : 264330626462

Option 4 ID : 264330626460

Status : Answered

Chosen Option : 2

Q.24 The standard voltage between any two phases in three-phase four-wire secondary distribution system have ____.

- Ans
- ☐ 1. 33 kV
 - ☐ 2. 11 kV
 - ☐ 3. 230 V
 - ☒ 4. 400 V

Question ID : 264330158109

Option 1 ID : 264330619798

Option 2 ID : 264330619797

Option 3 ID : 264330619795

Option 4 ID : 264330619796

Status : Answered

Chosen Option : 4

Q.25 When two or more sinusoidal waves are precisely in step with one another, they are said to be:

- Ans
- ☐ 1. out of phase
 - ☐ 2. 60 degrees leading
 - ☒ 3. in phase
 - ☐ 4. 60 degrees lagging

Question ID : 26433096118

Option 1 ID : 264330377242

Option 2 ID : 264330377244

Option 3 ID : 264330377241

Option 4 ID : 264330377243

Status : Answered

Chosen Option : 3

Q.26 Which of the following is NOT a desirable criteria for an underground cable?

- Ans
- ☒ 1. Mechanical protection is not required in any underground cable
 - ☐ 2. Conductors used in the cable should be stranded
 - ☐ 3. Proper insulation thickness should be taken care of in order to provide greater degree of safety
 - ☐ 4. Conductors should be used such that heating loss is minimum

Question ID : 264330158126

Option 1 ID : 264330619865

Option 2 ID : 264330619863

Option 3 ID : 264330619866

Option 4 ID : 264330619864

Status : Answered

Chosen Option : 4

Q.27 The value of a series resistor is required to limit the current through an LED to 36mA with a forward voltage drop of 3V, when connected to a 12V supply.

- Ans
- ☐ 1. 4000 Ω
 - ☐ 2. 250 m Ω
 - ☐ 3. 25 Ω
 - ☒ 4. 250 Ω

Question ID : 26433096571

Option 1 ID : 264330379023

Option 2 ID : 264330379022

Option 3 ID : 264330379021

Option 4 ID : 264330379024

Status : Answered

Chosen Option : 4

Q.28 What is the reason for providing corrugated or radiators on the sides of transformer tanks?

- Ans
- ☒ 1. To provide sufficient cooling area
 - ☐ 2. To increase the dielectric strength of the oil
 - ☐ 3. To reduce the size of the transformer tank
 - ☐ 4. To provide very small surface area to dissipate heat generated

Question ID : 264330162925

Option 1 ID : 264330639018

Option 2 ID : 264330639015

Option 3 ID : 264330639016

Option 4 ID : 264330639017

Status : Answered

Chosen Option : 1

Q.29 The shaded-pole induction motors have _____ compared with other motor types and may not be suitable for applications with _____ or where precise speed control is necessary.

- Ans
- ☐ 1. lower efficiency; light loads
 - ☐ 2. high efficiency; heavy loads
 - ☒ 3. lower efficiency; heavy loads
 - ☐ 4. high efficiency; light loads

Question ID : 264330164880

Option 1 ID : 264330646649

Option 2 ID : 264330646648

Option 3 ID : 264330646647

Option 4 ID : 264330646650

Status : Answered

Chosen Option : 3

Q.30 Select the INCORRECT statement(s) regarding squirrel-cage induction generators used in wind power plants.

- A) They can be used in both constant-speed and variable-speed applications.
- B) They work within a narrow speed range, which is slightly above the synchronous speed.
- C) Squirrel-cage induction generators are more expensive than wound-rotor induction generators.

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

Question ID : 264330158067

Option 1 ID : 264330619628

Option 2 ID : 264330619629

Option 3 ID : 264330619630

Option 4 ID : 264330619627

Status : Answered

Chosen Option : 3

Q.31 Which of the following parts is NOT present in a typical brushless DC motor?

Ans ☒ 1. Fixed armature
☒ 2. Permanent magnet
☒ 3. Electronic controller
☒ 4. Commutator

Question ID : 264330164861

Option 1 ID : 264330646573

Option 2 ID : 264330646574

Option 3 ID : 264330646571

Option 4 ID : 264330646572

Status : Answered

Chosen Option : 4

Q.32 An electrodymanometer is widely used as a _____.

Ans ☒ 1. calibration instrument
☒ 2. calibration instrument and transfer instrument
☒ 3. low impedance circuit
☒ 4. transfer instrument

Question ID : 264330100758

Option 1 ID : 264330395577

Option 2 ID : 264330395579

Option 3 ID : 264330395580

Option 4 ID : 264330395578

Status : Answered

Chosen Option : 4

Q.33 Which of the following CANNOT be caused due to excessive voltage drop in an electric distribution system?

- Ans ☒ 1. Electric motors to run colder than normal
- ☐ 2. Electric heaters to heat poorly
- ☐ 3. Electric lights to burn dimly
- ☐ 4. Electric lights to flicker

Question ID : 264330158086

Option 1 ID : 264330619706

Option 2 ID : 264330619703

Option 3 ID : 264330619705

Option 4 ID : 264330619704

Status : Answered

Chosen Option : 1

Q.34 In applications such as drink and food mixers and sewing machines _____ is used.

- Ans ☐ 1. split-phase IM motor
- ☐ 2. AC series motor
- ☒ 3. universal motor
- ☐ 4. repulsion motor

Question ID : 26433098257

Option 1 ID : 264330385684

Option 2 ID : 264330385683

Option 3 ID : 264330385682

Option 4 ID : 264330385681

Status : Answered

Chosen Option : 3

Q.35 A repulsion start induction run single phase motor runs as an IM only when _____.

- Ans ☐ 1. short circuit is disconnected
- ☐ 2. brushes are shifted to neutral phase
- ☒ 3. the commutator segments are short circuited
- ☐ 4. stator winding is reversed

Question ID : 26433099621

Option 1 ID : 264330391098

Option 2 ID : 264330391097

Option 3 ID : 264330391099

Option 4 ID : 264330391100

Status : Answered

Chosen Option : 3

Q.36 What inductance would be needed to store 2kWh of energy in a coil carrying a 100A current?

- Ans ☒ 1. 1440 H
- ☐ 2. 4 H
- ☐ 3. 100 H
- ☐ 4. 0.4 H

Question ID : 26433096401

Option 1 ID : 264330378343

Option 2 ID : 264330378342

Option 3 ID : 264330378344

Option 4 ID : 264330378341

Status : Answered

Chosen Option : 4

Q.37 What is the purpose of interleaving the windings in a transformer?

- Ans
- ☐ 1. To increase the leakage flux
 - ☐ 2. To reduce the efficiency of the transformer
 - ☒ 3. To reduce the leakage flux
 - ☐ 4. To increase the inductance of the transformer

Question ID : 264330162923

Option 1 ID : 264330639008

Option 2 ID : 264330639007

Option 3 ID : 264330639010

Option 4 ID : 264330639009

Status : Answered

Chosen Option : 3

Q.38 A $64\text{k}\Omega$ resistor has a specified maximum power dissipation of 1000 watts. The maximum current that may be passed through the resistor is _____.

- Ans
- ☐ 1. 64 A
 - ☒ 2. $\frac{1}{8}$ A
 - ☐ 3. 32A
 - ☐ 4. 8A

Question ID : 26433096412

Option 1 ID : 264330378388

Option 2 ID : 264330378386

Option 3 ID : 264330378387

Option 4 ID : 264330378385

Status : Answered

Chosen Option : 2

Q.39 A non-inductive resistor of $50\ \Omega$ is connected in series with a coil of inductance 0.25 Henry and of negligible resistance across a 250 V, 50 Hz supply. The net impedance of the circuit is given by $93.07\ \Omega$. Find the value of reactive power.

- Ans
- ☐ 1. 727.5 VAR
 - ☐ 2. 1022.14 VAR
 - ☐ 3. 1091.25 VAR
 - ☒ 4. 567.59 VAR

Question ID : 26433098294

Option 1 ID : 264330385830

Option 2 ID : 264330385829

Option 3 ID : 264330385832

Option 4 ID : 264330385831

Status : Answered

Chosen Option : 4

Q.40 Which of the following is NOT the requirement of a DC servomotor?

- Ans ☒ 1. High accuracy
☒ 2. Less torque to weight ratio
☒ 3. Linear torque-speed characteristics
☒ 4. Better precision

Question ID : 264330164865

Option 1 ID : 264330646588

Option 2 ID : 264330646590

Option 3 ID : 264330646587

Option 4 ID : 264330646589

Status : Answered

Chosen Option : 4

Q.41 The capacitance of a parallel plate capacitor having two plates of area $A = 200 \text{ cm}^2$ and separated by distance $d = 10 \text{ cm}$ is given by _____ if the permittivity of medium is $8.854 \times 10^{-12} \text{ F/m}$

- Ans ☒ 1. $17.7 \mu\text{F}$
☒ 2. 17.7 PF
☒ 3. 17.7 F
☒ 4. $17.7 \times 10^{-7} \mu\text{F}$

Question ID : 26433098269

Option 1 ID : 264330385729

Option 2 ID : 264330385730

Option 3 ID : 264330385732

Option 4 ID : 264330385731

Status : Answered

Chosen Option : 4

Q.42 What is the maximum electric field when $V_{bi}=3\text{V}$, $V_R=4\text{V}$, and the width of the semiconductor is 7 cm ?

- Ans ☒ 1. 300 V/m
☒ 2. -400 V/m
☒ 3. -200 V/m
☒ 4. 200 V/m

Question ID : 264330159785

Option 1 ID : 264330626488

Option 2 ID : 264330626490

Option 3 ID : 264330626489

Option 4 ID : 264330626487

Status : Answered

Chosen Option : 2

Q.43 Which of the following measurement instruments consumes the least amount of energy?

- Ans ☒ 1. PMMC type
☐ 2. Dynamometer type
☐ 3. Induction type
☐ 4. Moving iron type

Question ID : 26433098265

Option 1 ID : 264330385716

Option 2 ID : 264330385715

Option 3 ID : 264330385713

Option 4 ID : 264330385714

Status : Answered

Chosen Option : 1

Q.44 In Bipolar Junction Transistor, for amplification purposes, emitter-base junction is ____ and collector-base junction is ____ biased.

- Ans ☐ 1. reverse; forward
☒ 2. forward; reverse
☐ 3. reverse; reverse
☐ 4. forward; forward

Question ID : 264330159771

Option 1 ID : 264330626433

Option 2 ID : 264330626432

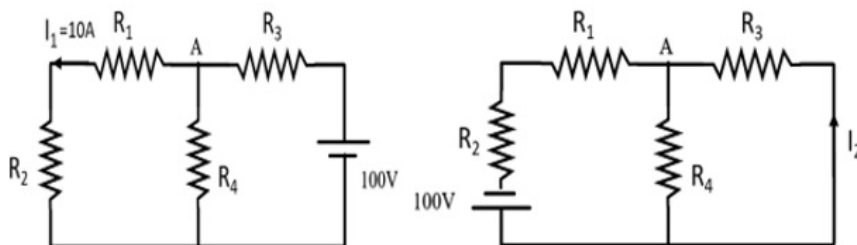
Option 3 ID : 264330626434

Option 4 ID : 264330626431

Status : Answered

Chosen Option : 2

Q.45 The value of the current I_2 if I_1 is equal to 10A, is:



- Ans ☐ 1. $\frac{100}{R_2}$ A
☐ 2. 0 A
☐ 3. $\frac{100}{R_3}$ A
☒ 4. 10 A

Question ID : 26433096472

Option 1 ID : 264330378626

Option 2 ID : 264330378628

Option 3 ID : 264330378625

Option 4 ID : 264330378627

Status : Answered

Chosen Option : 4

Q.46 Which of the following expressions clearly indicates determination of the diversity factor in a power system?

Ans

- ☒ 1. $\frac{\text{Maximum demand of the whole system}}{\text{Sum of individual maximum demand}}$
- ☒ 2. $\frac{\text{Average demand}}{\text{Maximum demand of the whole system}}$
- ☒ 3. $\frac{\text{Maximum demand}}{\text{Sum of individual maximum demand}}$
- ☒ 4. $\frac{\text{Sum of Individual maximum demand}}{\text{Maximum demand of the whole system}}$

Question ID : 264330158048

Option 1 ID : 264330619553

Option 2 ID : 264330619552

Option 3 ID : 264330619551

Option 4 ID : 264330619554

Status : Answered

Chosen Option : 4

Q.47 Which of the following is the application of soft magnetic materials?

Ans

- ☒ 1. Permanent magnets
- ☒ 2. Electromagnets
- ☒ 3. Speakers
- ☒ 4. Microphones

Question ID : 26433096874

Option 1 ID : 264330380233

Option 2 ID : 264330380236

Option 3 ID : 264330380234

Option 4 ID : 264330380235

Status : Answered

Chosen Option : 2

Q.48 In electromagnetism, the pattern of the magnetic field in a solenoid is _____.

Ans

- ☒ 1. of perpendicular lines
- ☒ 2. of parallel straight lines
- ☒ 3. of curved lines
- ☒ 4. circular

Question ID : 264330157653

Option 1 ID : 264330617971

Option 2 ID : 264330617972

Option 3 ID : 264330617974

Option 4 ID : 264330617973

Status : Answered

Chosen Option : 4

Q.49 In electrical applications, the coil of an infrared lamp is made up of _____.

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

Question ID : 264330157600

Option 1 ID : 264330617762

Option 2 ID : 264330617761

Option 3 ID : 264330617760

Option 4 ID : 264330617759

Status : Answered

Chosen Option : 1

Q.50 A 3-phase star-connected alternator is rated at 1.3 MVA, 11 KV. The armature effective resistance and synchronous reactance are 1.3Ω and 20Ω , respectively. Calculate voltage drop due to synchronous reactance.

- Ans ☒ 1. 842.24 V
☒ 2. 930.77 V
☒ 3. 2363 V
☒ 4. 1364.6 V

Question ID : 26433099509

Option 1 ID : 264330390652

Option 2 ID : 264330390650

Option 3 ID : 264330390649

Option 4 ID : 264330390651

Status : Answered

Chosen Option : 2

Q.51 Current (I) expression of a diode is given by: (where symbols have usual meaning)

Ans

- ☒ 1. $I = I_0(e^{\frac{v}{\eta kT}})$
☒ 2. $I = I_0(e^{\frac{qv}{\eta kT}} - 2)$
☒ 3. $I = I_0(e^{\frac{qv}{\eta kT}} - 1)$
☒ 4. $I = I_0(e^{\frac{qv}{\eta T}} - 1)$

Question ID : 264330159788

Option 1 ID : 264330626501

Option 2 ID : 264330626500

Option 3 ID : 264330626499

Option 4 ID : 264330626502

Status : Answered

Chosen Option : 3

Q.52 In radial distribution system, separate feeder radiates from single substation and feeds the distributors at ____.

- Ans ☒ 1. one end only
☒ 2. two ends
☒ 3. three ends
☒ 4. four ends

Question ID : 264330158092
Option 1 ID : 264330619727
Option 2 ID : 264330619728
Option 3 ID : 264330619729
Option 4 ID : 264330619730
Status : Answered
Chosen Option : 1

Q.53 Which of the following options shows the correct proportion of helium and neon gases in the mixture for helium neon laser?

- Ans ☒ 1. 20% of helium and 20% of neon
☒ 2. 90% of helium and 10% of neon
☒ 3. 80% of helium and 20% of neon
☒ 4. 10% of helium and 90% of neon

Question ID : 26433098200
Option 1 ID : 264330385456
Option 2 ID : 264330385454
Option 3 ID : 264330385455
Option 4 ID : 264330385453
Status : Answered
Chosen Option : 3

Q.54 An RLC series circuit has $R = 5 \Omega$ and $L = 1 \text{ H}$. Which of the following values of capacitance will make this circuit critically damped?

- Ans ☒ 1. 0.08 F
☒ 2. 0.16 F
☒ 3. 0.30 F
☒ 4. 0.20 F

Question ID : 264330159436
Option 1 ID : 264330625104
Option 2 ID : 264330625103
Option 3 ID : 264330625106
Option 4 ID : 264330625105
Status : Answered
Chosen Option : 2

Q.55 In an AC circuit, the peak voltage is 388 V. Its effective voltage is:

- Ans ☒ 1. 230 V
☒ 2. 300 V
☒ 3. 275 V
☒ 4. 200 V

Question ID : 264330159430
Option 1 ID : 264330625080
Option 2 ID : 264330625081
Option 3 ID : 264330625079
Option 4 ID : 264330625082
Status : Answered
Chosen Option : 3

Q.56 Which of the following lamps are used in searchlights?

- Ans ☒ 1. Arc lamps
☐ 2. Fluorescent lamps
☐ 3. Sodium vapour lamp
☐ 4. Neon lamps

Question ID : 264330100096

Option 1 ID : 264330392958

Option 2 ID : 264330392960

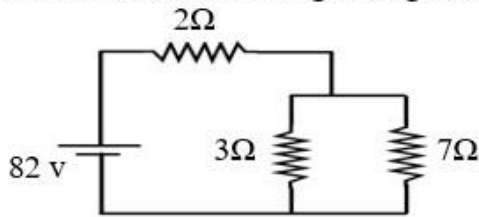
Option 3 ID : 264330392957

Option 4 ID : 264330392959

Status : Answered

Chosen Option : 1

Q.57 Find the current flowing through the 7Ω resistor.



- Ans ☐ 1. 20 A
☐ 2. 7 A
☐ 3. 14 A
☒ 4. 6 A

Question ID : 26433098180

Option 1 ID : 264330385375

Option 2 ID : 264330385376

Option 3 ID : 264330385374

Option 4 ID : 264330385373

Status : Answered

Chosen Option : 4

Q.58 Which of the following lamps is suitable for highway lighting?

- Ans ☐ 1. Fluorescent lamp
☐ 2. Incandescent lamp
☒ 3. Sodium vapour light
☐ 4. Neon lamp

Question ID : 264330158185

Option 1 ID : 264330620099

Option 2 ID : 264330620101

Option 3 ID : 264330620100

Option 4 ID : 264330620102

Status : Answered

Chosen Option : 3

Q.59 In the split-phase induction motor, the starting torque of the resistance start motor is about _____ the full load torque.

- Ans
- ☒ 1. 150 times
 - ☒ 2. 15 times
 - ☒ 3. 1.5 times
 - ☒ 4. 0.15 times

Question ID : 264330164888

Option 1 ID : 264330646682

Option 2 ID : 264330646681

Option 3 ID : 264330646680

Option 4 ID : 264330646679

Status : Answered

Chosen Option : 3

Q.60 In the application of electrical circuits, the nichrome that is used to make the heating element in an electric cooker has _____.

- Ans
- ☒ 1. 80% nickel and 20% chromium
 - ☒ 2. 20% nickel and 80% chromium
 - ☒ 3. 50% nickel and 50% chromium
 - ☒ 4. 40% nickel and 60% chromium

Question ID : 264330157597

Option 1 ID : 264330617749

Option 2 ID : 264330617747

Option 3 ID : 264330617748

Option 4 ID : 264330617750

Status : Answered

Chosen Option : 4

Q.61 Which of the following statements is/are true regarding all day efficiency of a transformer?

- (i) All day efficiency is also called as commercial efficiency.
- (ii) All day efficiency primarily depends on the duration of load and amount of load.
- (iii) All day efficiency is achieved when the iron losses are less.

- Ans
- ☒ 1. Only (i) is true
 - ☒ 2. Both (i) and (iii) are true
 - ☒ 3. Only (ii) is true
 - ☒ 4. Both (ii) and (iii) are true

Question ID : 264330100784

Option 1 ID : 264330395681

Option 2 ID : 264330395683

Option 3 ID : 264330395682

Option 4 ID : 264330395684

Status : Answered

Chosen Option : 3

Q.62 Select the correct statement(s) with respect to the Francis turbine.

A) It is used in medium heads and for moderate discharges.

B) It is an axial-in radial-out type of turbine.

C) It is an example of a mixed-flow turbine.

Ans ☒ 1. B and C

☒ 2. A and B

☒ 3. A and C

☒ 4. Only A

Question ID : 264330158071

Option 1 ID : 264330619646

Option 2 ID : 264330619645

Option 3 ID : 264330619643

Option 4 ID : 264330619644

Status : Answered

Chosen Option : 3

Q.63 If 15A current is flowing through a solenoid of inductance 4H, find the magnetic energy stored in the solenoid.

Ans ☒ 1. 450 J

☒ 2. 100 J

☒ 3. 1000 J

☒ 4. 540 J

Question ID : 264330160224

Option 1 ID : 264330628237

Option 2 ID : 264330628235

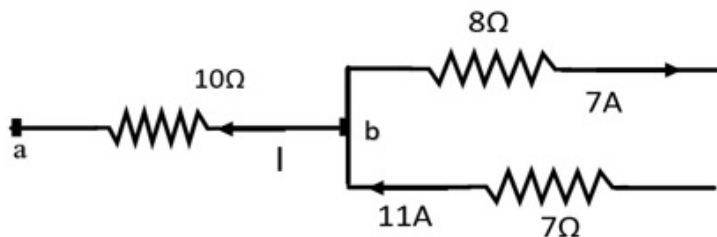
Option 3 ID : 264330628238

Option 4 ID : 264330628236

Status : Answered

Chosen Option : 1

Q.64 The value of voltage V_{ab} in the figure shown below is:



Ans ☒ 1. -190 V

☒ 2. -40 V

☒ 3. 0 V

☒ 4. 40 V

Question ID : 26433096450

Option 1 ID : 264330378538

Option 2 ID : 264330378537

Option 3 ID : 264330378540

Option 4 ID : 264330378539

Status : Answered

Chosen Option : 2

Q.65 The depletion layer capacitance is essentially the capacitance of a _____ p-n junction.

Ans ☒ 1. reverse-bias

☐ 2. forward-bias

☐ 3. saturated

☐ 4. cut-off

Question ID : 26433098137

Option 1 ID : 264330385202

Option 2 ID : 264330385201

Option 3 ID : 264330385203

Option 4 ID : 264330385204

Status : Answered

Chosen Option : 2

Q.66 What kind of metal does continuous bus bar wire typically consist of?

Ans ☒ 1. Copper or aluminium

☐ 2. Neither copper nor aluminium

☐ 3. Plastic

☐ 4. Iron

Question ID : 264330158183

Option 1 ID : 264330620091

Option 2 ID : 264330620094

Option 3 ID : 264330620093

Option 4 ID : 264330620092

Status : Answered

Chosen Option : 1

Q.67 Which of the following is NOT a type of Field Effect Transistor?

Ans ☒ 1. Thyristor

☐ 2. Enhancement MOSFET

☐ 3. Depletion MOSFET

☐ 4. JFET

Question ID : 264330159774

Option 1 ID : 264330626446

Option 2 ID : 264330626443

Option 3 ID : 264330626444

Option 4 ID : 264330626445

Status : Answered

Chosen Option : 1

Q.68 As the leading power factor of the load of an alternator decreases, the magnitude of generated voltage required to give rated terminal voltage _____.

Ans ☐ 1. decreases

☐ 2. remains unchanged

☒ 3. increases

☐ 4. first increases and then decreases

Question ID : 264330164895

Option 1 ID : 264330646708

Option 2 ID : 264330646709

Option 3 ID : 264330646707

Option 4 ID : 264330646710

Status : Answered

Chosen Option : 1

Q.69 Power factor of an IM is low at _____.

- Ans ☒ 1. full load
☒ 2. no load
☒ 3. half load
☒ 4. quarter load

Question ID : 26433099606

Option 1 ID : 264330391037

Option 2 ID : 264330391038

Option 3 ID : 264330391039

Option 4 ID : 264330391040

Status : Answered

Chosen Option : 2

Q.70 Because of their high efficiency and high speed, synchronous motors are well suited for_____.

- Ans ☒ 1. electric tractions
☒ 2. blowers
☒ 3. mixer grinders
☒ 4. ceiling fans

Question ID : 26433099520

Option 1 ID : 264330390695

Option 2 ID : 264330390693

Option 3 ID : 264330390696

Option 4 ID : 264330390694

Status : Answered

Chosen Option : 2

Q.71 What is the charging current per phase of a three-core underground cable connected to 22 kV, 50 Hz three phase supply? Given that the capacitance of each phase to neutral is 18 μ F. (Given the connection is star connected.)

- Ans ☒ 1. 71.82 A
☒ 2. 84.45 A
☒ 3. 50 A
☒ 4. 82.13 A

Question ID : 264330159737

Option 1 ID : 264330626304

Option 2 ID : 264330626306

Option 3 ID : 264330626303

Option 4 ID : 264330626305

Status : Answered

Chosen Option : 3

Q.72 In case of magnetic circuits, the product of the number of turns on a coil and the current flowing through the coil is called _____.

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

Question ID : 264330157667

Option 1 ID : 264330618028

Option 2 ID : 264330618029

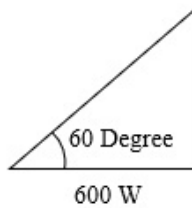
Option 3 ID : 264330618027

Option 4 ID : 264330618030

Status : Answered

Chosen Option : 3

Q.73 What will be the reactive power in the given power triangle?



- Ans
- ☒ 1. 1200 VAR Lagging
 - ☒ 2. 1039 VAR Leading
 - ☒ 3. 1200 VAR Leading
 - ☒ 4. 1039 VAR Lagging

Question ID : 26433098291

Option 1 ID : 264330385820

Option 2 ID : 264330385817

Option 3 ID : 264330385819

Option 4 ID : 264330385818

Status : Answered

Chosen Option : 4

Q.74 Three identical coils connected in delta to a 415 V, 3-phase supply take a total power of 50 kW and line currents of 70 A. Determine the total kVA taken by the coils.

- Ans
- ☒ 1. 23.24 kVA
 - ☒ 2. 50.32 kVA
 - ☒ 3. 9.68 kVA
 - ☒ 4. 16.77 kVA

Question ID : 26433096124

Option 1 ID : 264330377268

Option 2 ID : 264330377266

Option 3 ID : 264330377267

Option 4 ID : 264330377265

Status : Answered

Chosen Option : 1

Q.75 A coil consists of 1000 turns having a cross-sectional area of 0.4 mm^2 . The mean length per turn is 40 cm and the resistivity of the wire is $0.02 \mu\Omega\text{-m}$. The resistance of the coil is _____.

- Ans ☒ 1. 20Ω
☒ 2. 40Ω
☒ 3. $20\mu\Omega$
☒ 4. 200Ω

Question ID : 26433096407
Option 1 ID : 264330378367
Option 2 ID : 264330378368
Option 3 ID : 264330378365
Option 4 ID : 264330378366
Status : Answered
Chosen Option : 3

Q.76 In case of circuit laws, the currents flowing in various conductors in an electrical circuit are calculated by applying _____.

- Ans ☒ 1. Kirchhoff's law
☒ 2. the direct method
☒ 3. the network reduction method
☒ 4. Laplace's law

Question ID : 264330160079
Option 1 ID : 264330627657
Option 2 ID : 264330627655
Option 3 ID : 264330627656
Option 4 ID : 264330627658
Status : Answered
Chosen Option : 1

Q.77 The ratio of the area under the load curve to the total area under the rectangle in which it is contained gives the value of _____.

- Ans ☒ 1. utilisation factor
☒ 2. average demand
☒ 3. load factor
☒ 4. diversity factor

Question ID : 264330158060
Option 1 ID : 264330619602
Option 2 ID : 264330619601
Option 3 ID : 264330619600
Option 4 ID : 264330619599
Status : Answered
Chosen Option : 3

Q.78 If a current varies periodically from zero to maximum, back to zero and then repeats, the signal is a:

- Ans ☒ 1. pulsating signal
☐ 2. direct signal
☐ 3. sinusoidal signal
☐ 4. constant signal

Question ID : 26433098300
Option 1 ID : 264330385856
Option 2 ID : 264330385854
Option 3 ID : 264330385853
Option 4 ID : 264330385855
Status : Answered
Chosen Option : 1

Q.79 Find the ripple frequency of half wave rectifier if the input operating frequency is 50 Hz.

- Ans ☒ 1. 50 Hz
☐ 2. 500 Hz
☐ 3. 100 Hz
☐ 4. 25 Hz

Question ID : 26433098261
Option 1 ID : 264330385698
Option 2 ID : 264330385700
Option 3 ID : 264330385697
Option 4 ID : 264330385699
Status : Answered
Chosen Option : 3

Q.80 To measure the frequency of a waveform, which of the following data is necessary from the CRO?

- Ans ☐ 1. Peak to peak value of the waveform
☐ 2. Amplitude of the waveform
☐ 3. Vertical scale setting
☒ 4. Time period of the waveform

Question ID : 264330157575
Option 1 ID : 264330617660
Option 2 ID : 264330617659
Option 3 ID : 264330617662
Option 4 ID : 264330617661
Status : Answered
Chosen Option : 4

Q.81 In the split-phase induction motor, maximum torque is about _____ the full load torque at about 75% of the synchronous speed.

- Ans ☒ 1. 2.5 times
☐ 2. 250 times
☐ 3. 0.25 times
☐ 4. 25 times

Question ID : 264330164889
Option 1 ID : 264330646684
Option 2 ID : 264330646686
Option 3 ID : 264330646683
Option 4 ID : 264330646685
Status : Answered
Chosen Option : 1

Q.82 An AC circuit contains a resistance and inductance connected in series. The active power consumed by the circuit is equal to 4800 W and reactive power is 6400 VAR. Calculate the apparent power.

- Ans
- ☒ 1. 11200 VA
 - ☒ 2. 4233 VA
 - ☒ 3. 1058.3 VA
 - ☒ 4. 8000 VA

Question ID : 26433098290

Option 1 ID : 264330385813

Option 2 ID : 264330385815

Option 3 ID : 264330385816

Option 4 ID : 264330385814

Status : Not Answered

Chosen Option : --

Q.83 Which of the following information is NOT present on the nameplate of a transformer?

- Ans
- ☒ 1. Rated frequency
 - ☒ 2. Frame size
 - ☒ 3. Insulation class
 - ☒ 4. kVA or MVA rating

Question ID : 264330163315

Option 1 ID : 264330640559

Option 2 ID : 264330640560

Option 3 ID : 264330640561

Option 4 ID : 264330640562

Status : Answered

Chosen Option : 2

Q.84 Which of the following statements is true regarding the voltage drop due to armature reaction for leading power factors in an alternator?

- Ans
- ☒ 1. The voltage drop decreases with an increase in power factor.
 - ☒ 2. The voltage drop increases with an increase in power factor.
 - ☒ 3. The voltage drop remains constant irrespective of the power factor.
 - ☒ 4. The voltage drop is not affected by the power factor.

Question ID : 264330164896

Option 1 ID : 264330646712

Option 2 ID : 264330646711

Option 3 ID : 264330646713

Option 4 ID : 264330646714

Status : Answered

Chosen Option : 1

Q.85 A constant voltage source is applied between the two ends of a wire. If the length of the wire is doubled and the radius remains the same, then the rate of heat developed in the wire _____.

- Ans ☒ 1. will be halved
- ☐ 2. will remain the same
- ☐ 3. will be zero
- ☐ 4. will be 4 times

Question ID : 264330160206

Option 1 ID : 264330628164

Option 2 ID : 264330628163

Option 3 ID : 264330628165

Option 4 ID : 264330628166

Status : Answered

Chosen Option : 4

Q.86 How does the input impedance of a CRO affect its deflection sensitivity?

- Ans ☒ 1. Higher input impedance leads to higher deflection sensitivity
- ☐ 2. Lower input impedance leads to higher deflection sensitivity
- ☐ 3. It is directly proportional at low input impedance and inversely proportional at high input impedance
- ☐ 4. The input impedance does not affect deflection sensitivity

Question ID : 264330157580

Option 1 ID : 264330617680

Option 2 ID : 264330617679

Option 3 ID : 264330617681

Option 4 ID : 264330617682

Status : Not Answered

Chosen Option : --

Q.87 A wind turbine with a rotor diameter of 60 m is installed in an area with an average wind speed of 4 m/s. Find the wind power density in watts per square metre, assuming that the air density in the area is 1.5 kg/m^3 .

- Ans ☐ 1. 736.45 KW/m²
- ☐ 2. 135.67 KW/m²
- ☐ 3. 542.6 KW/m²
- ☒ 4. 271.3 KW/m²

Question ID : 264330162694

Option 1 ID : 264330638098

Option 2 ID : 264330638097

Option 3 ID : 264330638095

Option 4 ID : 264330638096

Status : Answered

Chosen Option : 3

Q.88 Which of the following lamps is used for the determination of polarity of DC mains?

- Ans ☒ 1. Neon discharge lamp
- ☒ 2. Carbon arc lamp
- ☒ 3. Mercury vapour lamp
- ☒ 4. Sodium vapour lamp

Question ID : 26433098219

Option 1 ID : 264330385529

Option 2 ID : 264330385531

Option 3 ID : 264330385532

Option 4 ID : 264330385530

Status : Answered

Chosen Option : 2

Q.89 The main reason to amplify the input signals by using vertical amplifier is:

- Ans ☒ 1. they are not strong to provide deflection that can be measured
- ☒ 2. the input impedance is low
- ☒ 3. they provide low stability
- ☒ 4. they provide attenuation

Question ID : 264330100764

Option 1 ID : 264330395601

Option 2 ID : 264330395604

Option 3 ID : 264330395603

Option 4 ID : 264330395602

Status : Answered

Chosen Option : 4

Q.90 A overhead transmission line is supported by supports at equal levels. If the length of the conductor span is increased by two times, the sag will _____. (Given, weight per unit length and tension in the conductor are constant.)

- Ans ☒ 1. increase by four times
- ☒ 2. decrease by four times
- ☒ 3. decrease by two times
- ☒ 4. increase by two times

Question ID : 264330158115

Option 1 ID : 264330619820

Option 2 ID : 264330619822

Option 3 ID : 264330619821

Option 4 ID : 264330619819

Status : Answered

Chosen Option : 1

Q.91 Which of the following motors DO/DOES NOT use three-point starters?

- Ans ☒ 1. Both DC shunt and compound motors
- ☒ 2. DC compound motor
- ☒ 3. DC shunt motor
- ☒ 4. DC series motor

Question ID : 26433098226

Option 1 ID : 264330385560

Option 2 ID : 264330385558

Option 3 ID : 264330385557

Option 4 ID : 264330385559

Status : Answered

Chosen Option : 4

Q.92 In case of electromagnetic induction, two coils are arranged in such a way that a change in one coil causes an EMF to be induced in the other coil. This is called ____.

- Ans
- ☒ 1. self-inductance
 - ☒ 2. parallel inductance
 - ☒ 3. mutual inductance
 - ☒ 4. series inductance

Question ID : 264330157624

Option 1 ID : 264330617855

Option 2 ID : 264330617858

Option 3 ID : 264330617856

Option 4 ID : 264330617857

Status : Answered

Chosen Option : 3

Q.93 A 230 V, 3-phase voltage is applied to a balance delta connected 3-phase load of phase impedance $(15 + j 20) \Omega$. What is the power consumed per phase?

- Ans
- ☒ 1. 2198.3 W
 - ☒ 2. 1269.6 W
 - ☒ 3. 1161.6 W
 - ☒ 4. 3807.6 W

Question ID : 26433098298

Option 1 ID : 264330385847

Option 2 ID : 264330385846

Option 3 ID : 264330385848

Option 4 ID : 264330385845

Status : Answered

Chosen Option : 2

Q.94 _____ is the money put down in addition to the tender.

- Ans
- ☒ 1. Deposit money
 - ☒ 2. Exploit money
 - ☒ 3. Earnest money
 - ☒ 4. True money

Question ID : 264330158158

Option 1 ID : 264330619992

Option 2 ID : 264330619994

Option 3 ID : 264330619991

Option 4 ID : 264330619993

Status : Answered

Chosen Option : 3

Q.95 A voltage source having some internal resistance delivers a 2A current when a 5Ω load is connected to it. When the load is 10Ω , then the current becomes 1.6A. Calculate the power transfer efficiency of the source for a 15Ω load.

- Ans
- ☐ 1. 10%
 - ☐ 2. 100%
 - ☐ 3. 90%
 - ☒ 4. 50%

Question ID : 264330160216

Option 1 ID : 264330628206

Option 2 ID : 264330628205

Option 3 ID : 264330628204

Option 4 ID : 264330628203

Status : Answered

Chosen Option : 4

Q.96 What is the apparent power of a 3-phase, star-connected system with a line voltage of 200 V and a line current of 20 A? The phase difference between the voltage and the current is 36.87° .

- Ans
- ☐ 1. 8.928 kVA
 - ☐ 2. 5.928 kVA
 - ☒ 3. 6.928 kVA
 - ☐ 4. 7.928 kVA

Question ID : 264330159517

Option 1 ID : 264330625429

Option 2 ID : 264330625430

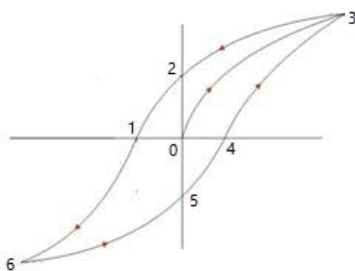
Option 3 ID : 264330625427

Option 4 ID : 264330625428

Status : Answered

Chosen Option : 3

Q.97 Which of the following portions represents retentivity in the BH curve shown below?



- Ans
- ☐ 1. 3
 - ☐ 2. 6
 - ☐ 3. 1
 - ☒ 4. 2

Question ID : 26433098181

Option 1 ID : 264330385379

Option 2 ID : 264330385380

Option 3 ID : 264330385377

Option 4 ID : 264330385378

Status : Answered

Chosen Option : 3

Q.98 Which of the following motors is used for shears and presses?

- Ans
- ☐ 1. DC shunt motor
 - ☐ 2. Stepper motor
 - ☐ 3. DC series motor
 - ☒ 4. DC compound motor

Question ID : 26433098228
Option 1 ID : 264330385565
Option 2 ID : 264330385568
Option 3 ID : 264330385567
Option 4 ID : 264330385566
Status : Answered
Chosen Option : 1

Q.99 A coil having a resistance of $8\ \Omega$ and an inductance of 0.01911 Henry is connected across a 230 V, 50 Hz AC supply. The reactive power is equal to ____.

- Ans
- ☐ 1. 4.496 KVAR
 - ☐ 2. 4.232 KVAR
 - ☒ 3. 3.174 KVAR
 - ☐ 4. 3.703 KVAR

Question ID : 26433098293
Option 1 ID : 264330385828
Option 2 ID : 264330385825
Option 3 ID : 264330385826
Option 4 ID : 264330385827
Status : Answered
Chosen Option : 3

Q.100 The most important consideration when making a detailed estimate is:

- Ans
- ☐ 1. Only transportation of materials
 - ☐ 2. Only quantity of the materials
 - ☐ 3. Only availability of materials
 - ☒ 4. quantity, transportation and availability of materials

Question ID : 264330158179
Option 1 ID : 264330620076
Option 2 ID : 264330620075
Option 3 ID : 264330620077
Option 4 ID : 264330620078
Status : Answered
Chosen Option : 4