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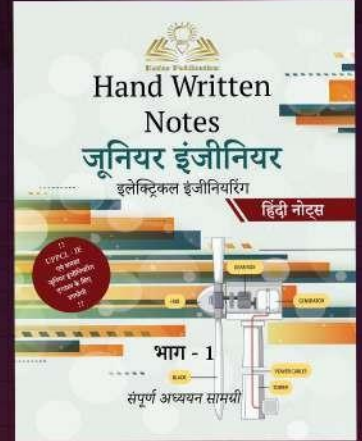
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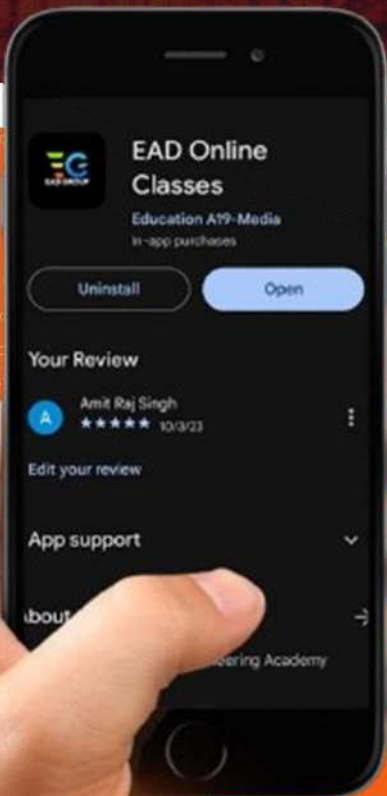
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**Raman sir**  
Electrical Engg. Expert



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## Junior Engineer Civil Mechanical and Electrical Examination 2023 Paper I

Roll Number	
Candidate Name	
Venue Name	
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 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, 2, 1, 4  
 2. 5, 3, 1, 2, 4  
 3. 5, 3, 1, 4, 2  
 4. 5, 1, 3, 2, 4

Question ID :  
264330129552

Option 1 ID : 264330507575  
Option 2 ID : 264330507576  
Option 3 ID : 264330507574  
Option 4 ID : 264330507577

Status : Answered

Chosen Option : 3

Q.2 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. 15  
 2. 19  
 3. 17  
 4. 14

Question ID : 264330126048

Option 1 ID : 264330493866  
Option 2 ID : 264330493867  
Option 3 ID : 264330493864  
Option 4 ID : 264330493865

Status : Not Answered

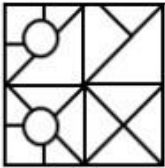
Chosen Option : --

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

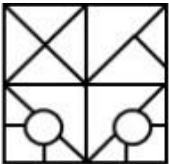


Ans

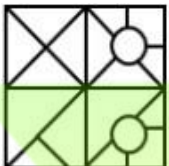
✓ 1.



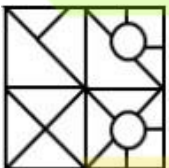
✗ 2.



✗ 3.



✗ 4.



Question ID :  
264330126088

Option 1 ID : 264330494027

Option 2 ID : 264330494026

Option 3 ID : 264330494025

Option 4 ID : 264330494024

Status : Answered

Chosen Option : 1

Q.4 Which of the following numbers will replace the question marks (?) in the given series?  
112, 113, 117, ?, 142, 167, ?, 252, 316

Ans ✗ 1. 132, 214

✗ 2. 133, 215

✗ 3. 122, 224

✓ 4. 126, 203

Question ID : 26433096015

Option 1 ID : 264330376831

Option 2 ID : 264330376830

Option 3 ID : 264330376829

Option 4 ID : 264330376832

Status : Answered

Chosen Option : 4

Q.5 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. 4, 5, 1, 2, 3

3. 5, 1, 3, 4, 2

4. 2, 5, 1, 3, 4

Question ID : 26433074674

Option 1 ID : 264330292785

Option 2 ID : 264330292784

Option 3 ID : 264330292786

Option 4 ID : 264330292787

Status : Answered

Chosen Option : 1

Q.6 Which of the following numbers will replace the question mark (?) in the given series?

47, 41, 53, ?, 59, 29

Ans  1. 35

2. 55

3. 57

4. 39

Question ID : 26433091014

Option 1 ID : 264330357465

Option 2 ID : 264330357467

Option 3 ID : 264330357468

Option 4 ID : 264330357466

Status : Answered

Chosen Option : 1

Q.7 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. ANWG

2. BMWH

3. ALVF

4. AMVH

Question ID :  
264330130328

Option 1 ID : 264330510424

Option 2 ID : 264330510425

Option 3 ID : 264330510426

Option 4 ID : 264330510423

Status : Answered

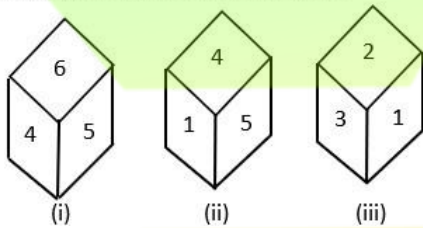
Chosen Option : 3

Q.8 In the following statements A, B, C, D and E denotes +, -, x, ÷ and = respectively, then which of the statement is correct?

- Ans
- 1. 4A3B5D3E15C6
  - 2. 4A3C6D3E15B6
  - 3. 4A3C5D3E15B6
  - 4. 4A3C5D3E15B8

Question ID :  
264330129645  
Option 1 ID : 264330507947  
Option 2 ID : 264330507948  
Option 3 ID : 264330507949  
Option 4 ID : 264330507946  
Status : Answered  
Chosen Option : 3

Q.9 Three different positions of the same dice are shown. Find the number on the face opposite to the face showing '6'.



- Ans
- 1. 2
  - 2. 4
  - 3. 1
  - 4. 3

Question ID :  
264330102495  
Option 1 ID : 264330402411  
Option 2 ID : 264330402410  
Option 3 ID : 264330402409  
Option 4 ID : 264330402412  
Status : Answered  
Chosen Option : 2

Q.10 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. Brave
  - 2. Docile
  - 3. Violent
  - 4. Indifferent

Question ID :  
264330144591  
Option 1 ID : 264330566620  
Option 2 ID : 264330566621  
Option 3 ID : 264330566619  
Option 4 ID : 264330566622  
Status : Answered  
Chosen Option : 2

Q.11 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. 28
  - 2. 22
  - 3. 34
  - 4. 30

Question ID :  
264330129774  
Option 1 ID : 264330508329  
Option 2 ID : 264330508327  
Option 3 ID : 264330508330  
Option 4 ID : 264330508328  
Status : Answered  
Chosen Option : 4

Q.12 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. OQMPD
  - 2. OQLPD
  - 3. OPKQD
  - 4. OQLQD

Question ID :  
264330139459  
Option 1 ID : 264330546268  
Option 2 ID : 264330546269  
Option 3 ID : 264330546270  
Option 4 ID : 264330546267  
Status : Answered  
Chosen Option : 4

Q.13 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. 324
  - 2. 342
  - 3. 352
  - 4. 325

Question ID :  
264330129789  
Option 1 ID : 264330508388  
Option 2 ID : 264330508389  
Option 3 ID : 264330508387  
Option 4 ID : 264330508390  
Status : Answered  
Chosen Option : 1

Q.14 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. Pran
  - 2. Samir
  - 3. Suman
  - 4. Kiran

Question ID :  
264330144638

Option 1 ID : 264330566810

Option 2 ID : 264330566809

Option 3 ID : 264330566807

Option 4 ID : 264330566808

Status : Answered

Chosen Option : 4

Q.15 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. QJKRHQIRK
  - 2. QJRKQHIRK
  - 3. QIRKHQIRK
  - 4. QJRKHQRIK

Question ID :  
264330144514

Option 1 ID : 264330566311

Option 2 ID : 264330566312

Option 3 ID : 264330566314

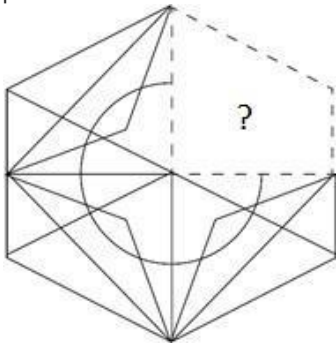
Option 4 ID : 264330566313

Status : Answered

Chosen Option : 3

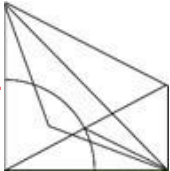
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Q.16 Select the figure from the options that can replace the question mark (?) and complete the pattern.

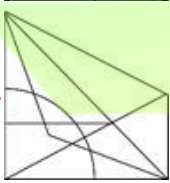


Ans

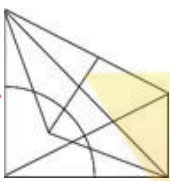
✗ 1.



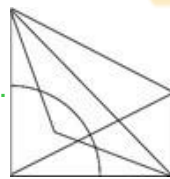
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433092791

Option 1 ID : 264330364455

Option 2 ID : 264330364454

Option 3 ID : 264330364453

Option 4 ID : 264330364456

Status : Answered

Chosen Option : 2

Q.17 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. UVSUVWXUTW

✗ 2. VUSVWUXTW

✓ 3. UVSUVWXUTW

✗ 4. VUSVUWXUTW

Question ID :  
264330144515

Option 1 ID : 264330566315

Option 2 ID : 264330566316

Option 3 ID : 264330566317

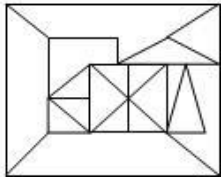
Option 4 ID : 264330566318

Status : Answered

Chosen Option : 3

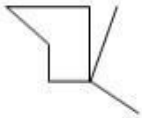


Q.18 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).

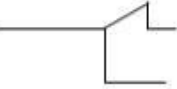


Ans

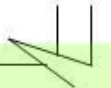
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID :  
264330144784

Option 1 ID : 264330567393

Option 2 ID : 264330567391

Option 3 ID : 264330567394

Option 4 ID : 264330567392

Status : Answered

Chosen Option : 1

Q.19 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. Necklace

✓ 4. Gold

Question ID :  
264330144530

Option 1 ID : 264330566378

Option 2 ID : 264330566375

Option 3 ID : 264330566376

Option 4 ID : 264330566377

Status : Answered

Chosen Option : 4

Q.20 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. Pari
  - 2. Preeti
  - 3. Jeet
  - 4. Amita

Question ID :  
264330144634

Option 1 ID : 264330566793

Option 2 ID : 264330566791

Option 3 ID : 264330566794

Option 4 ID : 264330566792

Status : Answered

Chosen Option : 3

Q.21 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. 108
  - 2. 171
  - 3. 118
  - 4. 180

Question ID : 26433079006

Option 1 ID : 264330310030

Option 2 ID : 264330310029

Option 3 ID : 264330310028

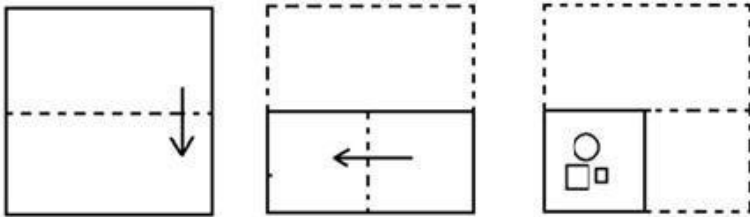
Option 4 ID : 264330310031

Status : Answered

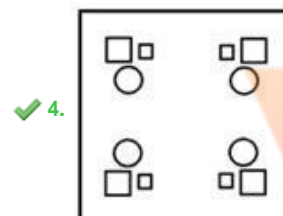
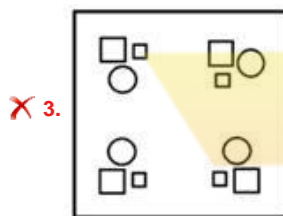
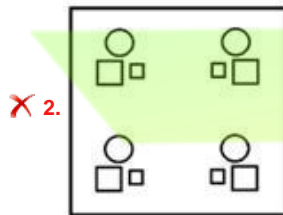
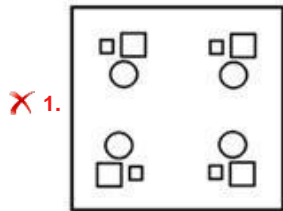
Chosen Option : 2

**EAD GROUP**

Q.22 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



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Question ID : 264330103212  
 Option 1 ID : 264330405154  
 Option 2 ID : 264330405156  
 Option 3 ID : 264330405155  
 Option 4 ID : 264330405153  
 Status : Answered  
 Chosen Option : 4

Q.23 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. 90
  - ✗ 3. 110
  - ✓ 4. 104

Question ID : 264330144556  
 Option 1 ID : 264330566480  
 Option 2 ID : 264330566481  
 Option 3 ID : 264330566482  
 Option 4 ID : 264330566479  
 Status : Answered  
 Chosen Option : 2

Q.24 If '+' means '-', '-' means '+', 'x' means '=', and '=' means 'x', then what will be the value of the following expression?

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

Ans  1. 18

2. 15

3. 20

4. 10

Question ID :

264330131558

Option 1 ID : 264330515335

Option 2 ID : 264330515337

Option 3 ID : 264330515338

Option 4 ID : 264330515336

Status : Answered

Chosen Option : 2

Q.25 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. 85

2. 10

3. 69

4. 73

Question ID : 264330144598

Option 1 ID : 264330566648

Option 2 ID : 264330566647

Option 3 ID : 264330566649

Option 4 ID : 264330566650

Status : Not Answered

Chosen Option : --

Q.26 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. 215

3. 225

4. 210

Question ID : 26433078880

Option 1 ID : 264330309535

Option 2 ID : 264330309533

Option 3 ID : 264330309534

Option 4 ID : 264330309532

Status : Not Answered

Chosen Option : --

Q.27 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. Both conclusions I and II follow.  
 2. Only conclusion I follows.  
 3. Neither conclusion I nor II follows.  
 4. Only conclusion II follows.

Question ID :  
264330144578

Option 1 ID : 264330566569

Option 2 ID : 264330566567

Option 3 ID : 264330566570

Option 4 ID : 264330566568

Status : Answered

Chosen Option : 2

Q.28 Which letter cluster will replace the question mark (?) to complete the given series?

SNR, QQN, OTJ, MWF, ?

- Ans  1. KZC  
 2. KYB  
 3. KZB  
 4. JZC

Question ID :  
264330144573

Option 1 ID : 264330566547

Option 2 ID : 264330566548

Option 3 ID : 264330566549

Option 4 ID : 264330566550

Status : Answered

Chosen Option : 1

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Q.29 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. Neither conclusion I nor II follows

3. Both conclusions I and II follow

4. Only conclusion II follows

Question ID :  
264330144950

Option 1 ID : 264330568055

Option 2 ID : 264330568058

Option 3 ID : 264330568057

Option 4 ID : 264330568056

Status : Answered

Chosen Option : 2

Q.30 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. Filly

3. Vixen

4. Doe

Question ID :  
264330144510

Option 1 ID : 264330566298

Option 2 ID : 264330566297

Option 3 ID : 264330566295

Option 4 ID : 264330566296

Status : Answered

Chosen Option : 2

Q.31 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. Mother

2. Father's mother

3. Father

4. Son

Question ID : 26433089520

Option 1 ID : 264330351583

Option 2 ID : 264330351581

Option 3 ID : 264330351584

Option 4 ID : 264330351582

Status : Answered

Chosen Option : 4

Q.32 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. G
  - 3. H
  - 4. F

Question ID : 26433068755  
 Option 1 ID : 264330269535  
 Option 2 ID : 264330269533  
 Option 3 ID : 264330269534  
 Option 4 ID : 264330269532  
 Status : Answered  
 Chosen Option : 3

Q.33 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. 7 m
  - 2. 10 m
  - 3. 12 m
  - 4. 47 m

Question ID : 264330129769  
 Option 1 ID : 264330508308  
 Option 2 ID : 264330508309  
 Option 3 ID : 264330508310  
 Option 4 ID : 264330508307  
 Status : Answered  
 Chosen Option : 1

Q.34 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. (44, 2, 24)
  - 3. (22, 3, 9)
  - 4. (8, 1, 6)

Question ID : 264330144452  
 Option 1 ID : 264330566063  
 Option 2 ID : 264330566066  
 Option 3 ID : 264330566064  
 Option 4 ID : 264330566065  
 Status : Not Answered  
 Chosen Option : --

Q.35 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. Sparrow : Dive  
 3. Mouse : Leap  
 4. Deer : Glide

Question ID :  
264330132199  
Option 1 ID : 264330517892  
Option 2 ID : 264330517891  
Option 3 ID : 264330517894  
Option 4 ID : 264330517893  
Status : Answered  
Chosen Option : 1

Q.36 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. 135  
 2. 142  
 3. 108  
 4. 128

Question ID : 264330144458  
Option 1 ID : 264330566089  
Option 2 ID : 264330566088  
Option 3 ID : 264330566087  
Option 4 ID : 264330566090  
Status : Not Answered  
Chosen Option : --

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.  
784 : 26 :: 961 : ? :: 529 : 21

- Ans  1. 33  
 2. 29  
 3. 27  
 4. 31

Question ID : 26433078938  
Option 1 ID : 264330309767  
Option 2 ID : 264330309765  
Option 3 ID : 264330309766  
Option 4 ID : 264330309764  
Status : Answered  
Chosen Option : 2



Q.38 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, 3, 1, 4
  - 2. 2, 4, 1, 3
  - 3. 2, 4, 3, 1
  - 4. 2, 1, 3, 4

Question ID :  
264330129677

Option 1 ID : 264330508076

Option 2 ID : 264330508075

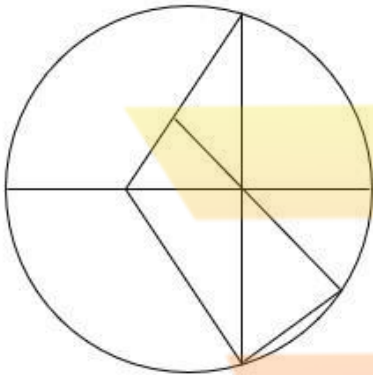
Option 3 ID : 264330508074

Option 4 ID : 264330508077

Status : Answered

Chosen Option : 2

Q.39 How many triangles are there in the given figure?



- Ans
- 1. 5
  - 2. 6
  - 3. 7
  - 4. 8

Question ID : 26433068139

Option 1 ID : 264330267070

Option 2 ID : 264330267069

Option 3 ID : 264330267068

Option 4 ID : 264330267071

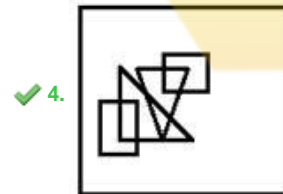
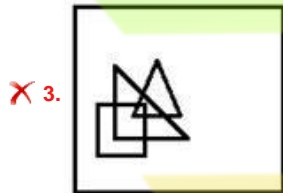
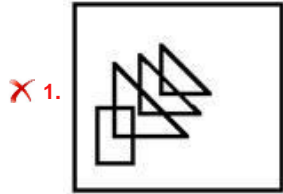
Status : Answered

Chosen Option : 2

Q.40 Select the option in which the given figure is embedded (rotation is NOT allowed).



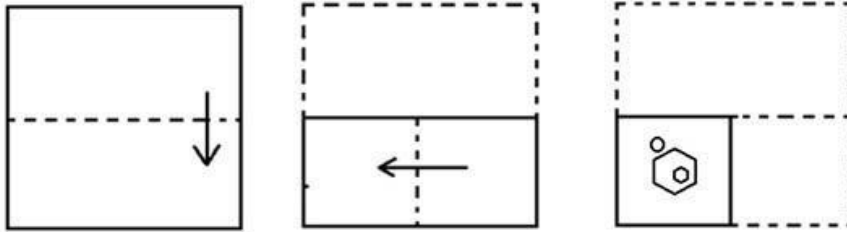
Ans



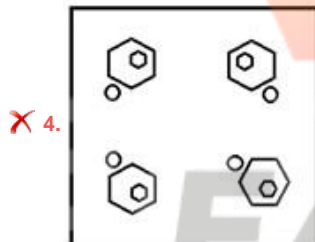
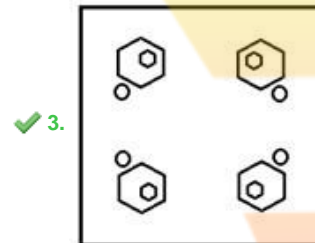
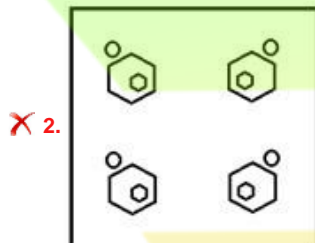
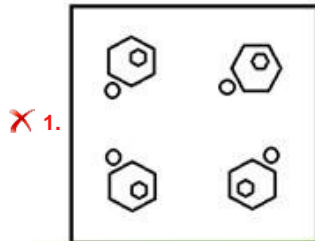
Question ID : 26433068178  
Option 1 ID : 264330267227  
Option 2 ID : 264330267224  
Option 3 ID : 264330267226  
Option 4 ID : 264330267225  
Status : Answered  
Chosen Option : 4

EAD GROUP

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 : 264330405171

Option 2 ID : 264330405172

Option 3 ID : 264330405170

Option 4 ID : 264330405169

Status : Answered

Chosen Option : 3

Q.42 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. Irrigated

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

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

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

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

Question ID :

264330129469

Option 1 ID : 264330507243

Option 2 ID : 264330507242

Option 3 ID : 264330507245

Option 4 ID : 264330507244

Status : Answered

Chosen Option : 1

Q.43 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. A O Z M Y M

2. M Y A Z O M

3. Z A M O M Y

4. Y O M Z A O

Question ID : 26433086963

Option 1 ID : 264330341493

Option 2 ID : 264330341494

Option 3 ID : 264330341496

Option 4 ID : 264330341495

Status : Answered

Chosen Option : 2

Q.44 Which letter cluster will replace the question mark (?) to complete the given series?

NGC, PJH, RMM, TPR, ?

Ans  1. UTY

2. VSW

3. USW

4. VTX

Question ID :

264330144574

Option 1 ID : 264330566554

Option 2 ID : 264330566552

Option 3 ID : 264330566553

Option 4 ID : 264330566551

Status : Answered

Chosen Option : 2

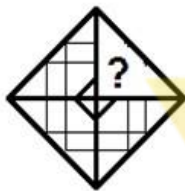
Q.45 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Seismograph : Earthquake :: Anemometer : ?

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

Question ID : 264330144513  
Option 1 ID : 264330566310  
Option 2 ID : 264330566309  
Option 3 ID : 264330566308  
Option 4 ID : 264330566307  
Status : Answered  
Chosen Option : 2

Q.46 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 : 264330293323  
Option 2 ID : 264330293321  
Option 3 ID : 264330293320  
Option 4 ID : 264330293322  
Status : Answered  
Chosen Option : 3

Q.47 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. Daughter
  - 2. Brother
  - 3. Brother's son
  - 4. Husband's sister

Question ID : 264330144539  
Option 1 ID : 264330566411  
Option 2 ID : 264330566412  
Option 3 ID : 264330566413  
Option 4 ID : 264330566414  
Status : Not Answered  
Chosen Option : --

Q.48 If A denotes '+', B denotes 'x', 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. 216
  - 2. 9
  - 3. 3
  - 4. 0

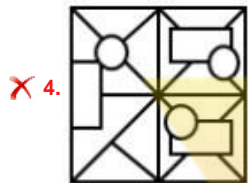
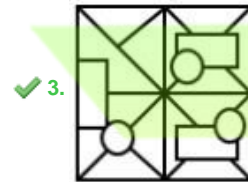
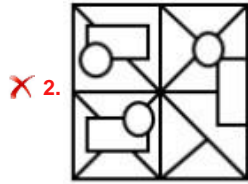
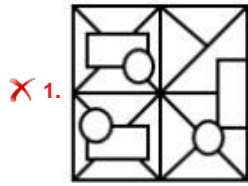
Question ID : 26433067678  
Option 1 ID : 264330265227  
Option 2 ID : 264330265226  
Option 3 ID : 264330265225  
Option 4 ID : 264330265224  
Status : Answered  
Chosen Option : 4

**EAD GROUP**

Q.49 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans



Question ID :  
264330126688

Option 1 ID : 264330496427

Option 2 ID : 264330496426

Option 3 ID : 264330496425

Option 4 ID : 264330496424

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।)

भालू (Bear) : नर भालू (Boar)

Ans ✓ 1. चिकन : मुर्गा (Chicken : Rooster)

✗ 2. बैल : गाय (Ox : Cow)

✗ 3. भेड़ : मेमना (Sheep : lamb)

✗ 4. हंस : हंसिनी (Goose : Geese)

Question ID :  
264330131984

Option 1 ID : 264330517034

Option 2 ID : 264330517032

Option 3 ID : 264330517033

Option 4 ID : 264330517031

Status : Answered

Chosen Option : 4

Section : General Awareness

Q.1 According to the Census of India 2011, identify the least literate state.

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

Question ID :  
264330157094  
Option 1 ID : 264330615748  
Option 2 ID : 264330615747  
Option 3 ID : 264330615750  
Option 4 ID : 264330615749  
Status : Answered  
Chosen Option : 2

Q.2 A financial institution can be a banking institution only when it\_\_\_\_\_.

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

Question ID :  
264330144408  
Option 1 ID : 264330565889  
Option 2 ID : 264330565887  
Option 3 ID : 264330565890  
Option 4 ID : 264330565888  
Status : Answered  
Chosen Option : 1

Q.3 Which of the following countries is the host of the Asian boxing Championship 2022?

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

Question ID :  
264330109715  
Option 1 ID : 264330431140  
Option 2 ID : 264330431137  
Option 3 ID : 264330431138  
Option 4 ID : 264330431139  
Status : Answered  
Chosen Option : 4

Q.4 Burnpur in West Bengal is famous for which of the following industries?

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

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



Q.5 What is the percentage increase in the total literacy rate in 2011 over 2001?

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

Question ID : 264330119815  
Option 1 ID : 264330469538  
Option 2 ID : 264330469537  
Option 3 ID : 264330469536  
Option 4 ID : 264330469535  
Status : Not Answered  
Chosen Option : --

Q.6 Sulochana Chavan is associated with \_\_\_\_\_ folk music.

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

Question ID : 26433082117  
Option 1 ID : 264330322304  
Option 2 ID : 264330322302  
Option 3 ID : 264330322301  
Option 4 ID : 264330322303  
Status : Not Answered  
Chosen Option : --

Q.7 Which of following was established in Madras in 1864?

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

Question ID :  
264330111405  
Option 1 ID : 264330437705  
Option 2 ID : 264330437708  
Option 3 ID : 264330437707  
Option 4 ID : 264330437706  
Status : Answered  
Chosen Option : 4

Q.8 The 'PRASHAD' scheme of the Government of India is associated with which ministry of the government?

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

Question ID :  
264330158456  
Option 1 ID : 264330621184  
Option 2 ID : 264330621183  
Option 3 ID : 264330621186  
Option 4 ID : 264330621185  
Status : Answered  
Chosen Option : 3

Q.9 The Board of Control established to control company affairs had how many members?

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

Question ID : 264330112170  
Option 1 ID : 264330440767  
Option 2 ID : 264330440765  
Option 3 ID : 264330440768  
Option 4 ID : 264330440766  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.10 Which of the following is the correct match of the column-A with column-B?

Column-A (Lake)	Column-B (Continent)
i. Lake Victoria	a. North America
ii. Lake Superior	b. Australia
iii. Caspian Sea	c. Africa
iv. Lake Eyre	d. Asia

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

Question ID :  
264330131825  
Option 1 ID : 264330516402  
Option 2 ID : 264330516401  
Option 3 ID : 264330516399  
Option 4 ID : 264330516400  
Status : Answered  
Chosen Option : 2

Q.11 Which of the following statements is NOT correct about angiosperms?

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

Question ID :  
264330109909  
Option 1 ID : 264330431914  
Option 2 ID : 264330431915  
Option 3 ID : 264330431913  
Option 4 ID : 264330431916  
Status : Answered  
Chosen Option : 4

Q.12 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. Central
  - 3. Southern
  - 4. Eastern

Question ID : 26433064800  
Option 1 ID : 264330253794  
Option 2 ID : 264330253795  
Option 3 ID : 264330253793  
Option 4 ID : 264330253792  
Status : Answered  
Chosen Option : 3

Q.13 Which of the following Articles of the Indian Constitution mentioned that the Prime Minister is appointed by the President of India?

- Ans
- 1. 70
  - 2. 57
  - 3. 71
  - 4. 75

Question ID : 264330120160  
Option 1 ID : 264330470898  
Option 2 ID : 264330470896  
Option 3 ID : 264330470897  
Option 4 ID : 264330470895  
Status : Answered  
Chosen Option : 4

Q.14 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 22
  - 2. Article 19
  - 3. Article 20
  - 4. Article 21

Question ID : 264330112755  
Option 1 ID : 264330443108  
Option 2 ID : 264330443105  
Option 3 ID : 264330443106  
Option 4 ID : 264330443107  
Status : Answered  
Chosen Option : 4

Q.15 Which of the following food groups is rich source of Vitamin B12?

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

Question ID : 264330113328  
Option 1 ID : 264330445399  
Option 2 ID : 264330445400  
Option 3 ID : 264330445397  
Option 4 ID : 264330445398  
Status : Answered  
Chosen Option : 3

Q.16 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.  $\text{C}_4\text{H}_2\text{FeO}_4 \cdot 6\text{H}_2\text{O}$
- 3.  $\text{K}_4[\text{Fe}(\text{CN})_6] \cdot 6\text{H}_2\text{O}$
- 4.  $\text{FeSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 \cdot 6\text{H}_2\text{O}$

Question ID :  
264330133267

Option 1 ID : 264330522118

Option 2 ID : 264330522117

Option 3 ID : 264330522116

Option 4 ID : 264330522115

Status : Answered

Chosen Option : 3

Q.17 Identify the INCORRECT statement about fermentation.

Ans

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

Question ID :  
264330109936

Option 1 ID : 264330432024

Option 2 ID : 264330432022

Option 3 ID : 264330432021

Option 4 ID : 264330432023

Status : Answered

Chosen Option : 1

Q.18 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 Attempted and  
Marked For Review

Chosen Option : --

Q.19 In June 2022, who among the following took an oath as Delhi High Court Chief Justice?

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

Question ID : 264330137299  
Option 1 ID : 264330537823  
Option 2 ID : 264330537824  
Option 3 ID : 264330537826  
Option 4 ID : 264330537825  
Status : Not Answered  
Chosen Option : --

Q.20 Which is the least populated state according to the census of 2011?

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

Question ID : 264330119239  
Option 1 ID : 264330467246  
Option 2 ID : 264330467245  
Option 3 ID : 264330467243  
Option 4 ID : 264330467244  
Status : Marked For Review  
Chosen Option : 2

Q.21 Which is a circular basin covering an area of 5.427 million square miles surrounded by North America and Eurasia?

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

Question ID : 264330110205  
Option 1 ID : 264330433097  
Option 2 ID : 264330433098  
Option 3 ID : 264330433100  
Option 4 ID : 264330433099  
Status : Not Answered  
Chosen Option : --

Q.22 Domingo Paes was a \_\_\_\_\_ traveller, who visited the Vijayanagara empire in the 16th century.

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

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

Q.23 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.24 Which of the following statements is INCORRECT about vinegar?

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

Question ID :  
264330112841  
Option 1 ID : 264330443450  
Option 2 ID : 264330443449  
Option 3 ID : 264330443452  
Option 4 ID : 264330443451  
Status : Answered  
Chosen Option : 4

Q.25 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. 1 month
  - 2. 3 months
  - 3. 6 months
  - 4. 2 months

Question ID : 264330156938  
Option 1 ID : 264330615127  
Option 2 ID : 264330615128  
Option 3 ID : 264330615129  
Option 4 ID : 264330615130  
Status : Not Answered  
Chosen Option : --

Q.26 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. Introduction to the Study of Chemical Philosophy
  - 2. Lessons in Chemical Philosophy
  - 3. A New System of Chemical Philosophy
  - 4. From Chemical Philosophy to Theoretical Chemistry

Question ID :  
264330141678  
Option 1 ID : 264330555033  
Option 2 ID : 264330555034  
Option 3 ID : 264330555032  
Option 4 ID : 264330555031  
Status : Answered  
Chosen Option : 4

Q.27 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 : 4

Q.28 Which are the two most common minerals found in rocks?

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

Question ID :  
264330135591  
Option 1 ID : 264330531266  
Option 2 ID : 264330531263  
Option 3 ID : 264330531265  
Option 4 ID : 264330531264  
Status : Answered  
Chosen Option : 1

Q.29 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. Chief Minister
  - 2. Governor of the State
  - 3. State Cabinet
  - 4. State legislature

Question ID :  
264330130496  
Option 1 ID : 264330511097  
Option 2 ID : 264330511095  
Option 3 ID : 264330511098  
Option 4 ID : 264330511096  
Status : Answered  
Chosen Option : 2

Q.30 In which century was the Kuchipudi style of Yakshagaana conceived by Siddhendra Yogi?

- Ans
- 1. 16<sup>th</sup>
  - 2. 17<sup>th</sup>
  - 3. 15<sup>th</sup>
  - 4. 14<sup>th</sup>

Question ID : 26433090715  
Option 1 ID : 264330356283  
Option 2 ID : 264330356284  
Option 3 ID : 264330356282  
Option 4 ID : 264330356281  
Status : Not Answered  
Chosen Option : --

Q.31 Which of the following is a hydroxybenzaldehyde that possesses a hydroxy substituent at position 2 extracted from the herb 'meadow sweet'?

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

Question ID : 264330114591  
Option 1 ID : 264330450452  
Option 2 ID : 264330450451  
Option 3 ID : 264330450450  
Option 4 ID : 264330450449  
Status : Not Answered  
Chosen Option : --

Q.32 In September 2022, who among the following was elected as President of Hockey India?

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

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



Q.33 Who used to supervise the work of collection of revenue in the Mauryan Kingdom?

- Ans
- 1. Sannidhata
  - 2. Rajuka
  - 3. Samaharta
  - 4. Pratedak

Question ID :  
264330112135  
Option 1 ID : 264330440626  
Option 2 ID : 264330440627  
Option 3 ID : 264330440625  
Option 4 ID : 264330440628  
Status : Answered  
Chosen Option : 2

Q.34 How can using templates benefit users when creating a PowerPoint presentation?

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

Question ID :  
264330168589  
Option 1 ID : 264330661167  
Option 2 ID : 264330661168  
Option 3 ID : 264330661169  
Option 4 ID : 264330661170  
Status : Answered  
Chosen Option : 4

Q.35 Which of the following groups of rivers is placed in the correct sequence from north to south of the Peninsular River?

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

Question ID : 264330132727  
Option 1 ID : 264330520004  
Option 2 ID : 264330520003  
Option 3 ID : 264330520006  
Option 4 ID : 264330520005  
Status : Marked For Review  
Chosen Option : 4

Q.36 The idea of Fundamental Duties has been borrowed from the Constitution of:

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

Question ID : 26433089956  
Option 1 ID : 264330353304  
Option 2 ID : 264330353302  
Option 3 ID : 264330353301  
Option 4 ID : 264330353303  
Status : Marked For Review  
Chosen Option : 1

Q.37 Which option allows you to import recipient addresses from a spreadsheet when creating mailing labels in MS Word?

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

Question ID :  
264330168597  
Option 1 ID : 264330661199  
Option 2 ID : 264330661201  
Option 3 ID : 264330661202  
Option 4 ID : 264330661200  
Status : Answered  
Chosen Option : 3

Q.38 In which state of India is the Bhadla Solar Power Park established?

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

Question ID :  
264330138064  
Option 1 ID : 264330540865  
Option 2 ID : 264330540866  
Option 3 ID : 264330540863  
Option 4 ID : 264330540864  
Status : Answered  
Chosen Option : 2

Q.39 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. A is true and R is false
  - 2. A is false but R is true
  - 3. Both A and R are true, and R is the correct explanation of A
  - 4. Both A and R are true, but R is not the correct explanation of A

Question ID :  
264330108902  
Option 1 ID : 264330427887  
Option 2 ID : 264330427888  
Option 3 ID : 264330427885  
Option 4 ID : 264330427886  
Status : Answered  
Chosen Option : 3

Q.40 Which of the following connects the continental shelf and the ocean basins?

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

Question ID : 264330113363  
Option 1 ID : 264330445539  
Option 2 ID : 264330445537  
Option 3 ID : 264330445540  
Option 4 ID : 264330445538  
Status : Not Answered  
Chosen Option : --

Q.41 Who studied ecological succession in the Indiana Dunes of Northwest Indiana in the 1890s?

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

Question ID : 264330144347  
Option 1 ID : 264330565647  
Option 2 ID : 264330565650  
Option 3 ID : 264330565649  
Option 4 ID : 264330565648  
Status : Not Answered  
Chosen Option : --

Q.42 In which of the following states of India is the legislative assembly election was held in late 2022?

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

Question ID : 26433090626  
Option 1 ID : 264330355926  
Option 2 ID : 264330355927  
Option 3 ID : 264330355925  
Option 4 ID : 264330355928  
Status : Answered  
Chosen Option : 1

Q.43 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. Shehnai
  - 2. Bansuri
  - 3. Bugle
  - 4. Sarangi

Question ID : 26433071510  
Option 1 ID : 264330280464  
Option 2 ID : 264330280467  
Option 3 ID : 264330280465  
Option 4 ID : 264330280466  
Status : Answered  
Chosen Option : 1

Q.44 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. The Ministry of MSME is the implementing ministry for the scheme.

4. Capital subsidy of 25% will be provided for procurement of Plant & Machinery and service equipment's through institutional credit to the SC-ST MSEs.

Question ID :  
264330156914

Option 1 ID : 264330615033

Option 2 ID : 264330615031

Option 3 ID : 264330615032

Option 4 ID : 264330615034

Status : Answered

Chosen Option : 4

Q.45 Which period best defines the period of the first Green Revolution in India?

Ans  1. Mid 1960s to early 1980s

2. Mid 1990s to early 2010s

3. Mid 1980s to early 1990s

4. Mid 1950s to early 1960s

Question ID :  
264330112900

Option 1 ID : 264330443686

Option 2 ID : 264330443688

Option 3 ID : 264330443687

Option 4 ID : 264330443685

Status : Answered

Chosen Option : 2

Q.46 What is the unemployment rate (in percent) in urban area as per the report of Periodic Labor Force Survey (PLFS) 2020-21?

Ans  1. 6.7

2. 10.8

3. 4.0

4. 7.2

Question ID :  
264330111357

Option 1 ID : 264330437513

Option 2 ID : 264330437516

Option 3 ID : 264330437515

Option 4 ID : 264330437514

Status : Answered

Chosen Option : 4

Q.47 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 25
  - 2. Article 27
  - 3. Article 28
  - 4. Article 26

Question ID :  
264330130433  
Option 1 ID : 264330510843  
Option 2 ID : 264330510845  
Option 3 ID : 264330510846  
Option 4 ID : 264330510844  
Status : Answered  
Chosen Option : 2

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

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

Question ID :  
264330109054  
Option 1 ID : 264330428496  
Option 2 ID : 264330428494  
Option 3 ID : 264330428493  
Option 4 ID : 264330428495  
Status : Answered  
Chosen Option : 2

Q.49 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. Major river basin
  - 2. Minor river basin
  - 3. Average river basin
  - 4. Medium river basin

Question ID : 26433064100  
Option 1 ID : 264330250992  
Option 2 ID : 264330250994  
Option 3 ID : 264330250995  
Option 4 ID : 264330250993  
Status : Answered  
Chosen Option : 3

Q.50 Acidified  $\text{KMnO}_4$  can be used:

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

Question ID : 264330118019  
Option 1 ID : 264330463892  
Option 2 ID : 264330463891  
Option 3 ID : 264330463894  
Option 4 ID : 264330463893  
Status : Not Answered  
Chosen Option : --

Section : General Engineering Electrical

Q.1 Which of the following CANNOT be caused due to excessive voltage drop in an electric distribution system?

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

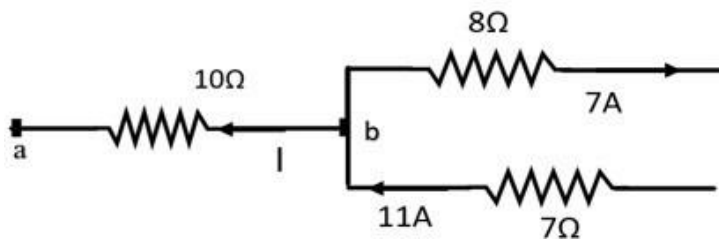
Question ID : 264330158086  
Option 1 ID : 264330619705  
Option 2 ID : 264330619704  
Option 3 ID : 264330619706  
Option 4 ID : 264330619703  
Status : Answered  
Chosen Option : 4

Q.2 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  $36.87^\circ$ .

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

Question ID : 264330159517  
Option 1 ID : 264330625430  
Option 2 ID : 264330625429  
Option 3 ID : 264330625427  
Option 4 ID : 264330625428  
Status : Not Answered  
Chosen Option : --

Q.3 The value of voltage  $V_{ab}$  in the figure shown below is:



- Ans
- 1. 0 V
  - 2. -40 V
  - 3. 40 V
  - 4. -190 V

Question ID : 26433096450  
Option 1 ID : 264330378540  
Option 2 ID : 264330378537  
Option 3 ID : 264330378539  
Option 4 ID : 264330378538  
Status : Not Answered  
Chosen Option : --

Q.4 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

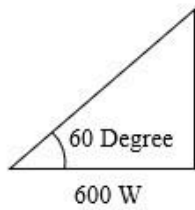
Question ID : 26433098261  
Option 1 ID : 264330385698  
Option 2 ID : 264330385700  
Option 3 ID : 264330385697  
Option 4 ID : 264330385699  
Status : Not Answered  
Chosen Option : --

Q.5 \_\_\_\_\_ is the money put down in addition to the tender.

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

Question ID : 264330158158  
Option 1 ID : 264330619993  
Option 2 ID : 264330619994  
Option 3 ID : 264330619991  
Option 4 ID : 264330619992  
Status : Not Answered  
Chosen Option : --

Q.6 What will be the reactive power in the given power triangle?



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

Question ID : 26433098291  
Option 1 ID : 264330385818  
Option 2 ID : 264330385820  
Option 3 ID : 264330385817  
Option 4 ID : 264330385819  
Status : Answered  
Chosen Option : 4

Q.7 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 : Not Answered  
Chosen Option : --

Q.8 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.9 The permanent magnet synchronous motor has a configuration almost identical to the conventional synchronous machine with the absence of \_\_\_\_\_.

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

Question ID : 264330164862  
Option 1 ID : 264330646576  
Option 2 ID : 264330646575  
Option 3 ID : 264330646577  
Option 4 ID : 264330646578  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.10 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. 1091.25 VAR
  - 2. 567.59 VAR
  - 3. 1022.14 VAR
  - 4. 727.5 VAR

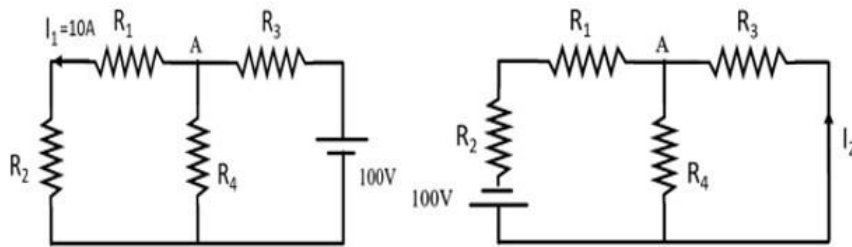
Question ID : 26433098294  
Option 1 ID : 264330385832  
Option 2 ID : 264330385831  
Option 3 ID : 264330385829  
Option 4 ID : 264330385830  
Status : Marked For Review  
Chosen Option : 2

Q.11 Power factor of an IM is low at \_\_\_\_\_.

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

Question ID : 26433099606  
Option 1 ID : 264330391039  
Option 2 ID : 264330391038  
Option 3 ID : 264330391037  
Option 4 ID : 264330391040  
Status : Not Answered  
Chosen Option : --

Q.12 The value of the current  $I_2$  if  $I_1$  is equal to 10A, is:



Ans

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

Question ID : 26433096472  
 Option 1 ID : 264330378625  
 Option 2 ID : 264330378628  
 Option 3 ID : 264330378626  
 Option 4 ID : 264330378627  
 Status : Answered  
 Chosen Option : 2

Q.13 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. 16.77 kVA
  - 2. 50.32 kVA
  - 3. 23.24 kVA
  - 4. 9.68 kVA

Question ID : 26433096124  
 Option 1 ID : 264330377265  
 Option 2 ID : 264330377266  
 Option 3 ID : 264330377268  
 Option 4 ID : 264330377267  
 Status : Not Answered  
 Chosen Option : --

Q.14 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. 250 m  $\Omega$
  - 2. 25  $\Omega$
  - 3. 4000  $\Omega$
  - 4. 250  $\Omega$

Question ID : 26433096571  
 Option 1 ID : 264330379022  
 Option 2 ID : 264330379021  
 Option 3 ID : 264330379023  
 Option 4 ID : 264330379024  
 Status : Not Answered  
 Chosen Option : --

Q.15 In case of electrical energy, the joule is also expressed as the \_\_\_\_.

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

Question ID :  
264330157611  
Option 1 ID : 264330617803  
Option 2 ID : 264330617806  
Option 3 ID : 264330617804  
Option 4 ID : 264330617805  
Status : Answered  
Chosen Option : 1

Q.16 In applications such as drink and food mixers and sewing machines \_\_\_\_\_ is used.

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

Question ID : 26433098257  
Option 1 ID : 264330385684  
Option 2 ID : 264330385682  
Option 3 ID : 264330385683  
Option 4 ID : 264330385681  
Status : Answered  
Chosen Option : 3

Q.17 Which of the following expressions clearly indicates determination of the diversity factor in a power system?

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

Question ID :  
264330158048  
Option 1 ID : 264330619552  
Option 2 ID : 264330619554  
Option 3 ID : 264330619551  
Option 4 ID : 264330619553  
Status : Answered  
Chosen Option : 4

Q.18 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 increases with an increase in power factor.
  - 2. The voltage drop remains constant irrespective of the power factor.
  - 3. The voltage drop is not affected by the power factor.
  - 4. The voltage drop decreases with an increase in power factor.

Question ID : 264330164896  
Option 1 ID : 264330646711  
Option 2 ID : 264330646713  
Option 3 ID : 264330646714  
Option 4 ID : 264330646712  
Status : Not Answered  
Chosen Option : --

Q.19 In the application of electrical circuits, the nichrome that is used to make the heating element in an electric cooker has \_\_\_\_\_.

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

Question ID :  
264330157597  
Option 1 ID : 264330617750  
Option 2 ID : 264330617749  
Option 3 ID : 264330617748  
Option 4 ID : 264330617747  
Status : Answered  
Chosen Option : 1

Q.20 In electromagnetism, the pattern of the magnetic field in a solenoid is \_\_\_\_\_.

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

Question ID :  
264330157653  
Option 1 ID : 264330617974  
Option 2 ID : 264330617973  
Option 3 ID : 264330617972  
Option 4 ID : 264330617971  
Status : Answered  
Chosen Option : 1

Q.21 Which sort of contract requires contractors to provide individual price quotes for all work to be performed?

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

Question ID : 264330158162  
Option 1 ID : 264330620010  
Option 2 ID : 264330620007  
Option 3 ID : 264330620008  
Option 4 ID : 264330620009  
Status : Not Answered  
Chosen Option : --

Q.22 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. decrease by four times
  - 2. increase by two times
  - 3. decrease by two times
  - 4. increase by four times

Question ID : 264330158115  
Option 1 ID : 264330619822  
Option 2 ID : 264330619819  
Option 3 ID : 264330619821  
Option 4 ID : 264330619820  
Status : Not Answered  
Chosen Option : --

Q.23 Which of the following is NOT the requirement of a DC servomotor?

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

Question ID :  
264330164865  
Option 1 ID : 264330646589  
Option 2 ID : 264330646590  
Option 3 ID : 264330646587  
Option 4 ID : 264330646588  
Status : Answered  
Chosen Option : 3

Q.24 In the split-phase induction motor, maximum torque is about \_\_\_\_\_ the full load torque at about 75% of the synchronous speed.

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

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

Q.25 A 3-phase star-connected alternator is rated at 1.3 MVA, 11 KV. The armature effective resistance and synchronous reactance are  $1.3 \Omega$  and  $20 \Omega$ , respectively. Calculate voltage drop due to synchronous reactance.

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

Question ID : 26433099509  
Option 1 ID : 264330390650  
Option 2 ID : 264330390649  
Option 3 ID : 264330390651  
Option 4 ID : 264330390652  
Status : Not Answered  
Chosen Option : --

Q.26 The standard voltage between any two phases in three-phase four-wire secondary distribution system have \_\_\_\_\_.

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

Question ID : 264330158109  
Option 1 ID : 264330619798  
Option 2 ID : 264330619796  
Option 3 ID : 264330619795  
Option 4 ID : 264330619797  
Status : Answered  
Chosen Option : 3

Q.27 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. diversity factor
  - 3. load factor
  - 4. average demand

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

Q.28 How does the input impedance of a CRO affect its deflection sensitivity?

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

Question ID :  
264330157580

Option 1 ID : 264330617679

Option 2 ID : 264330617681

Option 3 ID : 264330617682

Option 4 ID : 264330617680

Status : Answered

Chosen Option : 2

Q.29 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. Both (i) and (iii) are true
  - 2. Only (i) is true
  - 3. Only (ii) is true
  - 4. Both (ii) and (iii) are true

Question ID : 264330100784

Option 1 ID : 264330395683

Option 2 ID : 264330395681

Option 3 ID : 264330395682

Option 4 ID : 264330395684

Status : Not Answered

Chosen Option : --

Q.30 Which of the following motors DO/DOES NOT use three-point starters?

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

Question ID : 26433098226

Option 1 ID : 264330385557

Option 2 ID : 264330385559

Option 3 ID : 264330385558

Option 4 ID : 264330385560

Status : Not Answered

Chosen Option : --

Q.31 Which of the following lamps are used in searchlights?

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

Question ID : 264330100096  
Option 1 ID : 264330392959  
Option 2 ID : 264330392960  
Option 3 ID : 264330392957  
Option 4 ID : 264330392958  
Status : Answered  
Chosen Option : 1

Q.32 Which of the following parts is NOT present in a typical brushless DC motor?

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

Question ID : 264330164861  
Option 1 ID : 264330646573  
Option 2 ID : 264330646572  
Option 3 ID : 264330646571  
Option 4 ID : 264330646574  
Status : Not Answered  
Chosen Option : --

Q.33 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.  $\frac{\sqrt{R}}{X_L}$
  - 2.  $\sqrt{R^2 - X_L^2}$
  - 3.  $\sqrt{R^2 + X_L^2}$
  - 4.  $\frac{\sqrt{X_L}}{R}$

Question ID : 26433096121  
Option 1 ID : 264330377256  
Option 2 ID : 264330377254  
Option 3 ID : 264330377253  
Option 4 ID : 264330377255  
Status : Answered  
Chosen Option : 3



Q.34 If 15A current is flowing through a solenoid of inductance 4H, find the magnetic energy stored in the solenoid.

- Ans
- 1. 450 J
  - 2. 540 J
  - 3. 100 J
  - 4. 1000 J

Question ID :  
264330160224  
Option 1 ID : 264330628237  
Option 2 ID : 264330628236  
Option 3 ID : 264330628235  
Option 4 ID : 264330628238  
Status : Answered  
Chosen Option : 2

Q.35 Which of the following measurement instruments consumes the least amount of energy?

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

Question ID : 26433098265  
Option 1 ID : 264330385713  
Option 2 ID : 264330385715  
Option 3 ID : 264330385716  
Option 4 ID : 264330385714  
Status : Not Answered  
Chosen Option : --

Q.36 FET is like a switched on condition when it operates in \_\_\_\_\_ mode.

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

Question ID : 264330159778  
Option 1 ID : 264330626459  
Option 2 ID : 264330626460  
Option 3 ID : 264330626462  
Option 4 ID : 264330626461  
Status : Not Answered  
Chosen Option : --

Q.37 The depletion layer capacitance is essentially the capacitance of a \_\_\_\_\_ p-n junction.

- Ans
- 1. forward-bias
  - 2. cut-off
  - 3. reverse-bias
  - 4. saturated

Question ID : 26433098137  
Option 1 ID : 264330385201  
Option 2 ID : 264330385204  
Option 3 ID : 264330385202  
Option 4 ID : 264330385203  
Status : Answered  
Chosen Option : 3

Q.38 Which option among the following is correctly associated with the 'Auxiliary motor starting'?

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

Question ID : 264330164908  
Option 1 ID : 264330646762  
Option 2 ID : 264330646759  
Option 3 ID : 264330646760  
Option 4 ID : 264330646761  
Status : Not Answered  
Chosen Option : --

Q.39 What kind of metal does continuous bus bar wire typically consist of?

- Ans
- 1. Iron
  - 2. Neither copper nor aluminium
  - 3. Plastic
  - 4. Copper or aluminium

Question ID : 264330158183  
Option 1 ID : 264330620092  
Option 2 ID : 264330620094  
Option 3 ID : 264330620093  
Option 4 ID : 264330620091  
Status : Answered  
Chosen Option : 4

Q.40 What is the reason for providing corrugated or radiators on the sides of transformer tanks?

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

Question ID : 264330162925  
Option 1 ID : 264330639015  
Option 2 ID : 264330639017  
Option 3 ID : 264330639016  
Option 4 ID : 264330639018  
Status : Answered  
Chosen Option : 2

Q.41 Which of the following options shows the correct proportion of helium and neon gases in the mixture for helium neon laser?

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

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

Q.42 What is the magnetising current of a transformer?

- Ans
- 1. The current flowing through the ferromagnetic core.
  - 2. The current flowing through the insulation between the primary and secondary windings.
  - 3. The current drawn by the secondary winding when a load is connected.
  - 4. The current drawn by the primary winding when the secondary is on open circuit.

Question ID :  
264330162919  
Option 1 ID : 264330638993  
Option 2 ID : 264330638994  
Option 3 ID : 264330638992  
Option 4 ID : 264330638991  
Status : Answered  
Chosen Option : 2

Q.43 In Bipolar Junction Transistor, for amplification purposes, emitter-base junction is \_\_\_ and collector-base junction is \_\_\_ biased.

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

Question ID :  
264330159771  
Option 1 ID : 264330626432  
Option 2 ID : 264330626434  
Option 3 ID : 264330626433  
Option 4 ID : 264330626431  
Status : Answered  
Chosen Option : 3

Q.44 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. 4233 VA
  - 2. 8000 VA
  - 3. 1058.3 VA
  - 4. 11200 VA

Question ID : 26433098290  
Option 1 ID : 264330385815  
Option 2 ID : 264330385814  
Option 3 ID : 264330385816  
Option 4 ID : 264330385813  
Status : Answered  
Chosen Option : 4

Q.45 In electrical applications, the coil of an infrared lamp is made up of \_\_\_\_\_.

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

Question ID :  
264330157600  
Option 1 ID : 264330617760  
Option 2 ID : 264330617761  
Option 3 ID : 264330617762  
Option 4 ID : 264330617759  
Status : Answered  
Chosen Option : 3

Q.46 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 C
  - 2. Only A
  - 3. A and B
  - 4. Only B

Question ID :  
264330158067  
Option 1 ID : 264330619629  
Option 2 ID : 264330619627  
Option 3 ID : 264330619630  
Option 4 ID : 264330619628  
Status : Answered  
Chosen Option : 3

Q.47 What is core-stepping in core-type transformers?

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

Question ID :  
264330162927

Option 1 ID : 264330639024

Option 2 ID : 264330639023

Option 3 ID : 264330639025

Option 4 ID : 264330639026

Status : Answered

Chosen Option : 1

Q.48 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. tertiary winding only
  - 2. secondary winding only
  - 3. primary winding only
  - 4. both primary and secondary winding

Question ID : 26433096699

Option 1 ID : 264330379535

Option 2 ID : 264330379534

Option 3 ID : 264330379533

Option 4 ID : 264330379536

Status : Answered

Chosen Option : 4

Q.49 What is the maximum electric field when  $V_{bi}=3V$ ,  $V_R=4V$ , and the width of the semiconductor is 7 cm?

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

Question ID : 264330159785

Option 1 ID : 264330626490

Option 2 ID : 264330626489

Option 3 ID : 264330626487

Option 4 ID : 264330626488

Status : Not Answered

Chosen Option : --

Q.50 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. A and B

2. A and C

3. Only A

4. B and C

Question ID :

264330158071

Option 1 ID : 264330619645

Option 2 ID : 264330619643

Option 3 ID : 264330619644

Option 4 ID : 264330619646

Status : Answered

Chosen Option : 1

Q.51 A coil consists of 1000 turns having a cross-sectional area of  $0.4 \text{ mm}^2$ . 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.  $40\Omega$

2.  $20\mu\Omega$

3.  $200\Omega$

4.  $20\Omega$

Question ID : 26433096407

Option 1 ID : 264330378368

Option 2 ID : 264330378365

Option 3 ID : 264330378366

Option 4 ID : 264330378367

Status : Not Answered

Chosen Option : --

Q.52 Because of their high efficiency and high speed, synchronous motors are well suited for \_\_\_\_\_.

Ans  1. ceiling fans

2. electric tractions

3. mixer grinders

4. blowers

Question ID : 26433099520

Option 1 ID : 264330390694

Option 2 ID : 264330390695

Option 3 ID : 264330390696

Option 4 ID : 264330390693

Status : Not Answered

Chosen Option : --

Q.53 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. series inductance
  - 4. mutual inductance

Question ID :  
264330157624  
Option 1 ID : 264330617855  
Option 2 ID : 264330617858  
Option 3 ID : 264330617857  
Option 4 ID : 264330617856  
Status : Answered  
Chosen Option : 1

Q.54 The type of armature winding used in large high-voltage alternators is:

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

Question ID : 26433099514  
Option 1 ID : 264330390672  
Option 2 ID : 264330390669  
Option 3 ID : 264330390670  
Option 4 ID : 264330390671  
Status : Answered  
Chosen Option : 2

Q.55 A voltage source having some internal resistance delivers a 2A current when a  $5\Omega$  load is connected to it. When the load is  $10\Omega$ , then the current becomes 1.6A. Calculate the power transfer efficiency of the source for a  $15\Omega$  load.

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

Question ID :  
264330160216  
Option 1 ID : 264330628204  
Option 2 ID : 264330628203  
Option 3 ID : 264330628205  
Option 4 ID : 264330628206  
Status : Answered  
Chosen Option : 3

Q.56 In a metal filament bulb, the filament used as a heating coil is tungsten due to its\_\_\_\_\_.

- Ans
- 1. high melting point and low resistivity
  - 2. low melting point and high resistivity
  - 3. high melting point and high resistivity
  - 4. low melting point and low resistivity

Question ID : 264330157602  
Option 1 ID : 264330617769  
Option 2 ID : 264330617768  
Option 3 ID : 264330617770  
Option 4 ID : 264330617767  
Status : Not Answered  
Chosen Option : --

Q.57 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. Reverse direction
  - 2. Reduced by half
  - 3. Reduced to zero
  - 4. Same direction

Question ID : 264330157592  
Option 1 ID : 264330617727  
Option 2 ID : 264330617730  
Option 3 ID : 264330617729  
Option 4 ID : 264330617728  
Status : Not Answered  
Chosen Option : --

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

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

Question ID :  
264330158185  
Option 1 ID : 264330620102  
Option 2 ID : 264330620099  
Option 3 ID : 264330620101  
Option 4 ID : 264330620100  
Status : Answered  
Chosen Option : 2

Q.59 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 lagging
  - 3. 60 degrees leading
  - 4. in phase

Question ID : 26433096118  
Option 1 ID : 264330377242  
Option 2 ID : 264330377243  
Option 3 ID : 264330377244  
Option 4 ID : 264330377241  
Status : Answered  
Chosen Option : 3

Q.60 What kind of error does it constitute if only one of the parties to a contract misunderstands its terms or scope?

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

Question ID : 264330158156  
Option 1 ID : 264330619983  
Option 2 ID : 264330619986  
Option 3 ID : 264330619985  
Option 4 ID : 264330619984  
Status : Not Answered  
Chosen Option : --



Q.61 Which of the following is the application of soft magnetic materials?

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

Question ID : 26433096874  
Option 1 ID : 264330380236  
Option 2 ID : 264330380235  
Option 3 ID : 264330380234  
Option 4 ID : 264330380233  
Status : Answered  
Chosen Option : 1

Q.62 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 instrument will stop working.  
 2. The accuracy of the instrument will increase.  
 3. The accuracy of the instrument will decrease.  
 4. The accuracy of the instrument will remain unaffected.

Question ID : 264330160647  
Option 1 ID : 264330629922  
Option 2 ID : 264330629919  
Option 3 ID : 264330629920  
Option 4 ID : 264330629921  
Status : Not Answered  
Chosen Option : --

Q.63 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. 1269.6 W  
 2. 2198.3 W  
 3. 1161.6 W  
 4. 3807.6 W

Question ID : 26433098298  
Option 1 ID : 264330385846  
Option 2 ID : 264330385847  
Option 3 ID : 264330385848  
Option 4 ID : 264330385845  
Status : Not Answered  
Chosen Option : --

Q.64 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. 0.20 F  
 2. 0.16 F  
 3. 0.08 F  
 4. 0.30 F

Question ID : 264330159436  
Option 1 ID : 264330625105  
Option 2 ID : 264330625103  
Option 3 ID : 264330625104  
Option 4 ID : 264330625106  
Status : Not Answered  
Chosen Option : --

Q.65 Which of the following information is NOT present on the nameplate of a transformer?

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

Question ID :  
264330163315  
Option 1 ID : 264330640559  
Option 2 ID : 264330640561  
Option 3 ID : 264330640562  
Option 4 ID : 264330640560  
Status : Answered  
Chosen Option : 2

Q.66 A coil having a resistance of  $8\ \Omega$  and an inductance of  $0.01911$  Henry is connected across a  $230\text{ V}$ ,  $50\text{ Hz}$  AC supply. The reactive power is equal to \_\_\_\_\_.

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

Question ID : 26433098293  
Option 1 ID : 264330385828  
Option 2 ID : 264330385825  
Option 3 ID : 264330385827  
Option 4 ID : 264330385826  
Status : Not Answered  
Chosen Option : --

Q.67 An electro-dynamometer is widely used as a \_\_\_\_\_.

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

Question ID :  
264330100758  
Option 1 ID : 264330395577  
Option 2 ID : 264330395578  
Option 3 ID : 264330395580  
Option 4 ID : 264330395579  
Status : Answered  
Chosen Option : 4

Q.68 The most important consideration when making a detailed estimate is:

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

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

Q.69 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. 0.2 H
  - 2. 0.5 H
  - 3. 0.33 H
  - 4. 0.75 H

Question ID : 26433096868  
Option 1 ID : 264330380209  
Option 2 ID : 264330380211  
Option 3 ID : 264330380210  
Option 4 ID : 264330380212  
Status : Not Answered  
Chosen Option : --

Q.70 In an AC circuit, the peak voltage is 388 V. Its effective voltage is:

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

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

Q.71 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.  $17.7 \times 10^{-7} \mu\text{F}$
  - 3. 17.7 F
  - 4. 17.7 PF

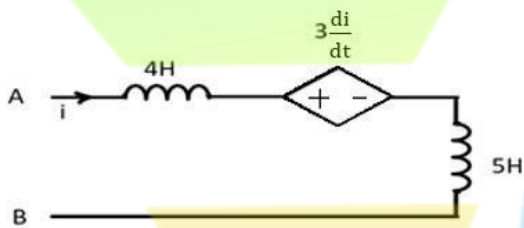
Question ID : 26433098269  
Option 1 ID : 264330385729  
Option 2 ID : 264330385731  
Option 3 ID : 264330385732  
Option 4 ID : 264330385730  
Status : Answered  
Chosen Option : 2

Q.72 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. remains unchanged
  - 2. increases
  - 3. first increases and then decreases
  - 4. decreases

Question ID : 264330164895  
Option 1 ID : 264330646709  
Option 2 ID : 264330646707  
Option 3 ID : 264330646710  
Option 4 ID : 264330646708  
Status : Not Answered  
Chosen Option : --

Q.73 Find the value of the equivalent inductance as seen from the open terminal for the diagram shown below.



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

Question ID : 26433096409  
Option 1 ID : 264330378373  
Option 2 ID : 264330378376  
Option 3 ID : 264330378375  
Option 4 ID : 264330378374  
Status : Answered  
Chosen Option : 3

Q.74 Which of the following is the outermost layer of an underground cable?

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

Question ID : 264330158125  
Option 1 ID : 264330619861  
Option 2 ID : 264330619862  
Option 3 ID : 264330619859  
Option 4 ID : 264330619860  
Status : Answered  
Chosen Option : 3

Q.75 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 4 times
  - 2. will be zero
  - 3. will be halved
  - 4. will remain the same

Question ID : 264330160206  
Option 1 ID : 264330628166  
Option 2 ID : 264330628165  
Option 3 ID : 264330628164  
Option 4 ID : 264330628163  
Status : Not Answered  
Chosen Option : --

Q.76 Which of the following motors is used for shears and presses?

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

Question ID : 26433098228  
Option 1 ID : 264330385565  
Option 2 ID : 264330385566  
Option 3 ID : 264330385568  
Option 4 ID : 264330385567  
Status : Not Answered  
Chosen Option : --

Q.77 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. 32A
  - 3.  $\frac{1}{8}$  A
  - 4. 8A

Question ID : 26433096412  
Option 1 ID : 264330378388  
Option 2 ID : 264330378387  
Option 3 ID : 264330378386  
Option 4 ID : 264330378385  
Status : Not Answered  
Chosen Option : --

Q.78 What is the purpose of interleaving the windings in a transformer?

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

Question ID :  
264330162923

Option 1 ID : 264330639007

Option 2 ID : 264330639008

Option 3 ID : 264330639010

Option 4 ID : 264330639009

Status : Answered

Chosen Option : 1

Q.79 In case of circuit laws, the currents flowing in various conductors in an electrical circuit are calculated by applying \_\_\_\_.

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

Question ID :  
264330160079

Option 1 ID : 264330627658

Option 2 ID : 264330627656

Option 3 ID : 264330627655

Option 4 ID : 264330627657

Status : Answered

Chosen Option : 3

Q.80 Which of the following portions represents retentivity in the BH curve shown below?



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

Question ID : 26433098181

Option 1 ID : 264330385377

Option 2 ID : 264330385379

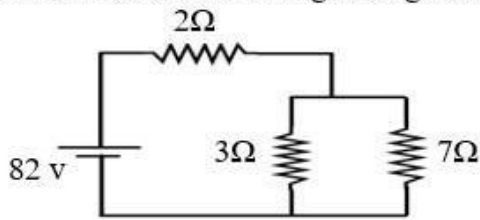
Option 3 ID : 264330385378

Option 4 ID : 264330385380

Status : Answered

Chosen Option : 1

Q.81 Find the current flowing through the  $7\Omega$  resistor.



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

Question ID : 26433098180  
Option 1 ID : 264330385375  
Option 2 ID : 264330385373  
Option 3 ID : 264330385376  
Option 4 ID : 264330385374  
Status : Answered  
Chosen Option : 1

Q.82 The main reason to amplify the input signals by using vertical amplifier is:

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

Question ID : 264330100764  
Option 1 ID : 264330395604  
Option 2 ID : 264330395601  
Option 3 ID : 264330395602  
Option 4 ID : 264330395603  
Status : Answered  
Chosen Option : 2

Q.83 A repulsion start induction run single phase motor runs as an IM only when \_\_\_\_ .

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

Question ID : 26433099621  
Option 1 ID : 264330391098  
Option 2 ID : 264330391100  
Option 3 ID : 264330391099  
Option 4 ID : 264330391097  
Status : Answered  
Chosen Option : 3

Q.84 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 : Not Answered  
Chosen Option : --

Q.85 Which of the following is NOT a type of Field Effect Transistor?

- Ans
- 1. JFET
  - 2. Depletion MOSFET
  - 3. Enhancement MOSFET
  - 4. Thyristor

Question ID : 264330159774  
Option 1 ID : 264330626445  
Option 2 ID : 264330626444  
Option 3 ID : 264330626443  
Option 4 ID : 264330626446  
Status : Not Answered  
Chosen Option : --

Q.86 To measure the frequency of a waveform, which of the following data is necessary from the CRO?

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

Question ID : 264330157575  
Option 1 ID : 264330617661  
Option 2 ID : 264330617660  
Option 3 ID : 264330617662  
Option 4 ID : 264330617659  
Status : Not Answered  
Chosen Option : --

Q.87 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. 10A
  - 2. 50A
  - 3. 40A
  - 4. 30A

Question ID :  
264330160205  
Option 1 ID : 264330628159  
Option 2 ID : 264330628162  
Option 3 ID : 264330628161  
Option 4 ID : 264330628160  
Status : Answered  
Chosen Option : 2



Q.88 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. MMF
  - 2. absolute permeability
  - 3. relative permeability
  - 4. EMF

Question ID : 264330157667  
Option 1 ID : 264330618027  
Option 2 ID : 264330618029  
Option 3 ID : 264330618030  
Option 4 ID : 264330618028  
Status : Not Answered  
Chosen Option : --

Q.89 Current (I) expression of a diode is given by: (where symbols have usual meaning)

Ans

1.  $I = I_0(e^{\frac{qv}{\eta T}} - 1)$

2.  $I = I_0(e^{\frac{v}{\eta kT}})$

3.  $I = I_0(e^{\frac{qv}{\eta kT}} - 1)$

4.  $I = I_0(e^{\frac{qv}{\eta kT}} - 2)$

Question ID : 264330159788  
Option 1 ID : 264330626502  
Option 2 ID : 264330626501  
Option 3 ID : 264330626499  
Option 4 ID : 264330626500  
Status : Not Answered  
Chosen Option : --

Q.90 Which of the following lamps is used for the determination of polarity of DC mains?

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

Question ID : 26433098219  
Option 1 ID : 264330385530  
Option 2 ID : 264330385531  
Option 3 ID : 264330385532  
Option 4 ID : 264330385529  
Status : Not Answered  
Chosen Option : --

Q.91 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. high efficiency; light loads
  - 2. lower efficiency; heavy loads
  - 3. high efficiency; heavy loads
  - 4. lower efficiency; light loads

Question ID : 264330164880  
Option 1 ID : 264330646650  
Option 2 ID : 264330646647  
Option 3 ID : 264330646648  
Option 4 ID : 264330646649  
Status : Answered  
Chosen Option : 1

Q.92 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 forced air forced
  - 3. Oil natural air forced
  - 4. Oil natural air natural

Question ID : 264330163316  
Option 1 ID : 264330640566  
Option 2 ID : 264330640565  
Option 3 ID : 264330640564  
Option 4 ID : 264330640563  
Status : Not Answered  
Chosen Option : --

Q.93 What inductance would be needed to store 2kWh of energy in a coil carrying a 100A current?

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

Question ID : 26433096401  
Option 1 ID : 264330378342  
Option 2 ID : 264330378343  
Option 3 ID : 264330378341  
Option 4 ID : 264330378344  
Status : Not Answered  
Chosen Option : --

Q.94 Which of the following is NOT a desirable criteria for an underground cable?

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

Question ID :  
264330158126  
Option 1 ID : 264330619866  
Option 2 ID : 264330619864  
Option 3 ID : 264330619863  
Option 4 ID : 264330619865  
Status : Answered  
Chosen Option : 1

Q.95 Which of the following is NOT an application of shaded-pole induction motor?

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

Question ID : 264330164877  
Option 1 ID : 264330646638  
Option 2 ID : 264330646635  
Option 3 ID : 264330646636  
Option 4 ID : 264330646637  
Status : Not Answered  
Chosen Option : --

Q.96 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  $1.5 \text{ kg/m}^3$ .

- Ans
- 1.  $135.67 \text{ KW/m}^2$
  - 2.  $736.45 \text{ KW/m}^2$
  - 3.  $271.3 \text{ KW/m}^2$
  - 4.  $542.6 \text{ KW/m}^2$

Question ID : 264330162694  
Option 1 ID : 264330638097  
Option 2 ID : 264330638098  
Option 3 ID : 264330638096  
Option 4 ID : 264330638095  
Status : Not Answered  
Chosen Option : --

Q.97 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 (iii)
  - 2. (i) and (iv)
  - 3. (ii) and (iii)
  - 4. (ii) and (iv)

Question ID : 264330158081  
Option 1 ID : 264330619683  
Option 2 ID : 264330619684  
Option 3 ID : 264330619686  
Option 4 ID : 264330619685  
Status : Not Answered  
Chosen Option : --

Q.98 If a current varies periodically from zero to maximum, back to zero and then repeats, the signal is a:

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

Question ID : 26433098300  
Option 1 ID : 264330385853  
Option 2 ID : 264330385854  
Option 3 ID : 264330385856  
Option 4 ID : 264330385855  
Status : Not Answered  
Chosen Option : --

Q.99 The shaded-pole induction motors are of \_\_\_\_\_ .

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

Question ID :  
264330164879  
Option 1 ID : 264330646643  
Option 2 ID : 264330646645  
Option 3 ID : 264330646646  
Option 4 ID : 264330646644  
Status : Answered  
Chosen Option : 2

Q.100 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  $18 \mu\text{F}$ . (Given the connection is star connected.)

Ans  1. 71.82 A

2. 84.45 A

3. 82.13 A

4. 50 A

Question ID : 264330159737

Option 1 ID : 264330626304

Option 2 ID : 264330626306

Option 3 ID : 264330626305

Option 4 ID : 264330626303

Status : Not Answered

Chosen Option : --



The logo for EAD GROUP features a large, light blue stylized letter 'G' on the right. To its left are three horizontal trapezoidal shapes stacked vertically, colored light green, yellow, and orange from top to bottom. Below these elements, the text 'EAD GROUP' is written in a bold, grey, sans-serif font.

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