



## RAILWAY RECRUITMENT BOARDS

### रेलवे भर्ती बोर्ड

Roll No:	
Participants Name:	
Test Center Name:	ION DIGITAL ZONE IDZ Dhanbad
Test Date:	22/01/2019
Test Time:	12:30 PM - 3:00 PM
Subject:	<b>Part A and Exam Trade : Electrician</b>

- Options shown in green color with a tick icon are correct
- Chosen option on top right of the question indicates the option selected by the candidate
- The numbers indicated against the Question ID and Option ID are the numbers to be noted and used for raising objections

#### Section : Part A

Q.1 Identify the one that is not a Class 1 lever.

- Ans
- 1. Pliers
  - 2. Scissors
  - 3. See-saw
  - 4. Nut cracker

Question ID : 9623407561  
 Option 1 ID : 96234030241  
 Option 2 ID : 96234030242  
 Option 3 ID : 96234030244  
 Option 4 ID : 96234030243  
 Status : Answered  
 Chosen Option : 3

Q.2 Find the odd word from the given alternatives.

- Ans
- 1. Compact disc
  - 2. Ball
  - 3. Chessboard
  - 4. Drum

Question ID : 9623407619  
 Option 1 ID : 96234030476  
 Option 2 ID : 96234030474  
 Option 3 ID : 96234030475  
 Option 4 ID : 96234030473  
 Status : Answered  
 Chosen Option : 3

**Q.3** Select the word that is related to the third word in the same way as the second word is related to the first word.

Liquid : Oil :: Gas : ?

- Ans**
- 1. Phase
  - 2. Solid
  - 3. Air
  - 4. Fuel

Question ID : 9623407601  
 Option 1 ID : 96234030401  
 Option 2 ID : 96234030402  
 Option 3 ID : 96234030404  
 Option 4 ID : 96234030403  
 Status : Answered  
 Chosen Option : 3

**Q.4** In the question, two statements are given, followed by three conclusions, I, II and III. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow(s) from the given statements.

Statement 1 : All wax are crayons.

Statement 2 : Some wax are pastels.

Conclusion I : Some pastels are crayons.

Conclusion II : All crayons are pastels.

Conclusion III : No crayons are pastels.

- Ans**
- 1. Only conclusion II follows
  - 2. Only conclusion I follows
  - 3. Only conclusion III follows
  - 4. None of the conclusions follows

Question ID : 9623407612  
 Option 1 ID : 96234030446  
 Option 2 ID : 96234030445  
 Option 3 ID : 96234030447  
 Option 4 ID : 96234030448  
 Status : Marked For Review  
 Chosen Option : 2

**Q.5** A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

UTS, QPO, MLK, IHG, ?

- Ans**
- 1. EDC
  - 2. GFE
  - 3. FED
  - 4. DCB

Question ID : 9623407603  
 Option 1 ID : 96234030411  
 Option 2 ID : 96234030412  
 Option 3 ID : 96234030409

Option 4 ID : 96234030410  
Status : Answered  
Chosen Option : 1

Q.6 When did the Constituent Assembly of India meet for the first time?

- Ans
- 1. 26th December 1946
  - 2. 9th December 1946
  - 3. 26th November 1956
  - 4. 19th December 1946

Question ID : 9623407534  
Option 1 ID : 96234030136  
Option 2 ID : 96234030133  
Option 3 ID : 96234030134  
Option 4 ID : 96234030135  
Status : Marked For Review  
Chosen Option : 3

Q.7 Name the writer of the Book "One life is not Enough"

- Ans
- 1. Mani Shankar Aiyar
  - 2. Shashi Tharoor
  - 3. Natwar Singh
  - 4. Karan Singh

Question ID : 9623407533  
Option 1 ID : 96234030132  
Option 2 ID : 96234030129  
Option 3 ID : 96234030130  
Option 4 ID : 96234030131  
Status : Not Answered  
Chosen Option : --

Q.8 The relative density of gold is 19.3. Its density in SI unit is:

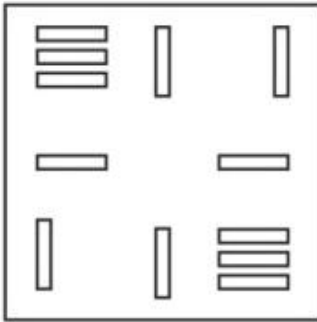
- Ans
- 1.  $19.3 \times 10^3 \text{ kg/m}^3$
  - 2.  $1.93 \times 10^2 \text{ kg/m}^3$
  - 3.  $19.3 \times 10^2 \text{ kg/m}^3$
  - 4.  $19.3 \text{ kg/m}^3$

Question ID : 9623407545  
Option 1 ID : 96234030179  
Option 2 ID : 96234030180  
Option 3 ID : 96234030178  
Option 4 ID : 96234030177  
Status : Marked For Review  
Chosen Option : 1

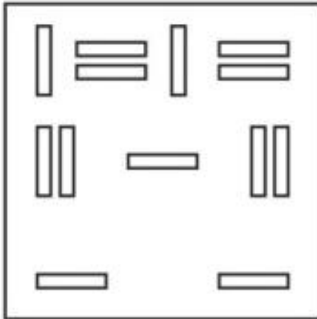
Q.9 Choose the figure that is different from the rest.

Ans

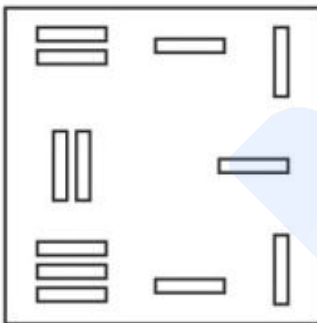
✗ 1.



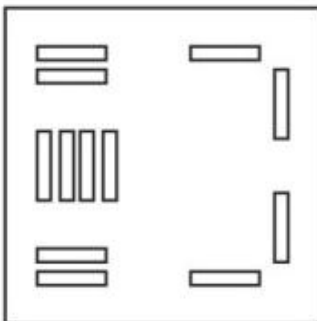
✓ 2.



✗ 3.



✗ 4.



Question ID : 9623407622

Option 1 ID : 96234030486

Option 2 ID : 96234030487

Option 3 ID : 96234030485

Option 4 ID : 96234030488

Status : Answered

Chosen Option : 2

Q.1  
0 A cubical block of side 10 cm and with a mass of

600 g floats in water. How much of the cube is submerged?

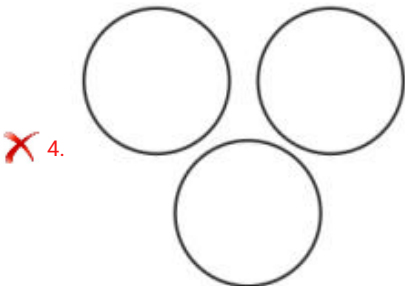
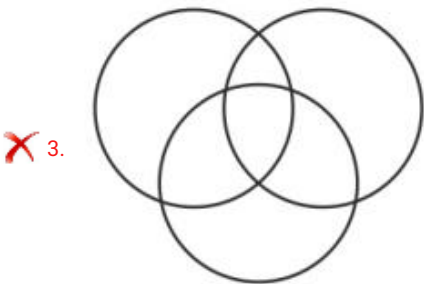
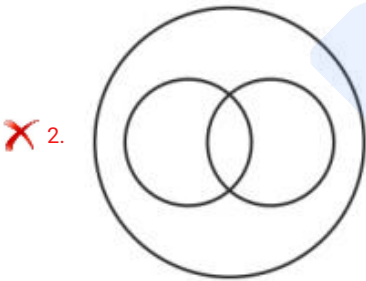
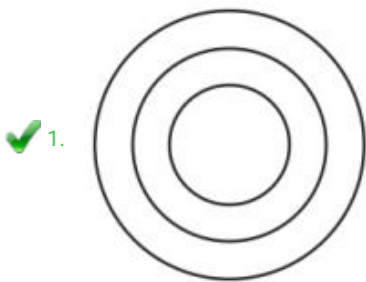
Ans ✓ 1. 60%

- 2. 40 %
- 3. 50%
- 4. 30%

Question ID : 9623407543  
Option 1 ID : 96234030172  
Option 2 ID : 96234030170  
Option 3 ID : 96234030171  
Option 4 ID : 96234030169  
Status : Answered  
Chosen Option : 1

Q.1 Which of the following venn diagrams best represents the relationship between apples, fruits and eatables?  
1

Ans



Question ID : 9623407614  
Option 1 ID : 96234030454  
Option 2 ID : 96234030456  
Option 3 ID : 96234030455

Option 4 ID : 96234030453

Status : Answered

Chosen Option : 1

Q.1  $\triangle ABC$  is similar to  $\triangle RST$ . If the ratio of altitudes of  $\triangle ABC : \triangle RST$  is 1 : 4 and if  $RS = 6$  cm, then find the length of  $AB$ .

2

- Ans
- 1. 3 cm
  - 2. 2 cm
  - 3. 1.5 cm
  - 4. 4 cm

Question ID : 9623407590

Option 1 ID : 96234030359

Option 2 ID : 96234030357

Option 3 ID : 96234030358

Option 4 ID : 96234030360

Status : Answered

Chosen Option : 3

Q.1 A pipe normally takes 4 min to fill a bucket. Due to a hole in the bucket, it takes 6 min. In how much time will the hole empty the full bucket?

3

- Ans
- 1. 8 min
  - 2. 10 min
  - 3. 12 min
  - 4. 15 min

Question ID : 9623407593

Option 1 ID : 96234030369

Option 2 ID : 96234030371

Option 3 ID : 96234030370

Option 4 ID : 96234030372

Status : Marked For Review

Chosen Option : 3

Q.1 Work done will be maximum when the angle between the direction of force and the direction of displacement is

4

- Ans
- 1.  $45^\circ$
  - 2.  $0^\circ$
  - 3.  $90^\circ$
  - 4.  $60^\circ$

Question ID : 9623407539

Option 1 ID : 96234030154

Option 2 ID : 96234030155

Option 3 ID : 96234030153

Option 4 ID : 96234030156

Status : Answered

Chosen Option : 2

Q.1 Copper expands about \_\_\_\_\_ times more than glass for the same rise in the temperature.

5

- Ans
- 1. four

2. three  
 3. five  
 4. six

Question ID : 9623407553  
 Option 1 ID : 96234030209  
 Option 2 ID : 96234030210  
 Option 3 ID : 96234030211  
 Option 4 ID : 96234030212  
 Status : **Not Attempted and Marked For Review**  
 Chosen Option : --

Q.1 U, V, W and X are sitting around a round table. V is sitting next to X. W is facing V. U is to the right of W. Which statement is false?

- Ans  1. X is to the left of V  
 2. V is between U and X  
 3. X is between W and V  
 4. V is to the right of U

Question ID : 9623407621  
 Option 1 ID : 96234030484  
 Option 2 ID : 96234030483  
 Option 3 ID : 96234030482  
 Option 4 ID : 96234030481  
 Status : **Answered**  
 Chosen Option : 1

Q.1 If  $138.21 + 146.24 + 213.82 - 1523.28 = x - 1267.27$  then  $x =$

- Ans  1. 248.36  
 2. 242.26  
 3. 252.36  
 4. 239.26

Question ID : 9623407578  
 Option 1 ID : 96234030311  
 Option 2 ID : 96234030310  
 Option 3 ID : 96234030312  
 Option 4 ID : 96234030309  
 Status : **Answered**  
 Chosen Option : 2

Q.1 B and C can do a certain work in 35 days, while A, B & C can do the same work in 17.5 days. In how many days can A do the same work alone?

- Ans  1. 35 days  
 2. 36.33 days  
 3. 33.67 days  
 4. 32.5 days

Question ID : 9623407599

Option 1 ID : 96234030395

Option 2 ID : 96234030396

Option 3 ID : 96234030394

Option 4 ID : 96234030393

Status : Answered

Chosen Option : 1

**Q.1** Read the question below followed by two statements. Based on the information, select the option that applies.

9

Question: How many points did A earn in the game?


Statements:

I) A won 6 times and lost 12 times.

II) Every game lost is a loss of 5 points.

Ans  1.

Neither Statement I nor II is sufficient to answer the question

 2. Either Statement I or II is sufficient to answer the question 3.

Statement II alone is sufficient while I alone is not sufficient to answer the question

 4.

Statement I alone is sufficient while II alone is not sufficient to answer the question

Question ID : 9623407615

Option 1 ID : 96234030460

Option 2 ID : 96234030459

Option 3 ID : 96234030458

Option 4 ID : 96234030457

Status : Answered

Chosen Option : 1


**Q.2** Given below is a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follow(s) beyond a reasonable doubt from the information given in the statement.


0


Statement: A doctor doubled his fees.


Conclusion I: His revenue doubled, so the number of patients have remained the same.

Conclusion II: His revenue decreased, so the number of patients has fallen by more than half.

Ans  1. Neither I nor II follows

 2. Only conclusion I follows

 3. Both conclusions I and II follow

 4. Only conclusion II follows

Question ID : 9623407616

Option 1 ID : 96234030464

Option 2 ID : 96234030461

Option 3 ID : 96234030463


Option 4 ID : 96234030462

Status : Answered

Chosen Option : 4

**Q.2** If E % F means E is the brother of F, E & F means E is the sister of F and E \$ F means E is the daughter of B, then what does P % Q & R \$ S mean?

1

Ans  1. S is the son of P



- 2. P is the daughter of S
- 3. S is the daughter of P
- 4. P is the son of S

Question ID : 9623407609  
Option 1 ID : 96234030434  
Option 2 ID : 96234030433  
Option 3 ID : 96234030435  
Option 4 ID : 96234030436  
Status : Answered  
Chosen Option : 4

Q.2  
2 Which statement with regard to Class 2 lever is true?

- Ans
- 1. The mechanical advantage is always less than 1
  - 2. The effort is between the load and the fulcrum
  - 3. The load is in between the effort and the fulcrum
  - 4. The fulcrum is near the effort

Question ID : 9623407559  
Option 1 ID : 96234030236  
Option 2 ID : 96234030233  
Option 3 ID : 96234030235  
Option 4 ID : 96234030234  
Status : Answered  
Chosen Option : 3

Q.2  
3 Alexander Fleming is best known for the discovery of:

- Ans
- 1. X rays
  - 2. Penicillin
  - 3. Proton
  - 4. Bacteria

Question ID : 9623407530  
Option 1 ID : 96234030120  
Option 2 ID : 96234030117  
Option 3 ID : 96234030119  
Option 4 ID : 96234030118  
Status : Answered  
Chosen Option : 2

Q.2  
4 The abbreviation SR marked on an engineering drawing stands for:

- Ans
- 1. Screw Runner
  - 2. Surface Relief
  - 3. Sectional Recess
  - 4. Spherical Radius

Question ID : 9623407550

Option 1 ID : 96234030198

Option 2 ID : 96234030200

Option 3 ID : 96234030199

Option 4 ID : 96234030197

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.2  
5 What is the area of the rectangle whose diagonal is 17 cm and breadth is 8 cm?

- Ans
- 1.  $120 \text{ cm}^2$
  - 2.  $125 \text{ cm}^2$
  - 3.  $128 \text{ cm}^2$
  - 4.  $136 \text{ cm}^2$

Question ID : 9623407583

Option 1 ID : 96234030332

Option 2 ID : 96234030331

Option 3 ID : 96234030330

Option 4 ID : 96234030329

Status : **Marked For Review**

Chosen Option : 1

Q.2  
6 Three resistors,  $9 \Omega$ ,  $9 \Omega$  and  $X \Omega$ , are connected in parallel. Total resistance of this parallel combination is  $3 \Omega$ . Find the unknown resistance  $X \Omega$ .

- Ans
- 1.  $12 \Omega$
  - 2.  $6 \Omega$
  - 3.  $3 \Omega$
  - 4.  $9 \Omega$

Question ID : 9623407575

Option 1 ID : 96234030300

Option 2 ID : 96234030298

Option 3 ID : 96234030297

Option 4 ID : 96234030299

Status : **Answered**

Chosen Option : 4

Q.2  
7 X had 60 coins, out of which  $\frac{1}{2}$  were Indian coins and  $\frac{1}{6}$  were US coins. How many other coins did he have?

- Ans
- 1. 18
  - 2. 24
  - 3. 21
  - 4. 20

Question ID : 9623407581

Option 1 ID : 96234030321

Option 2 ID : 96234030324

Option 3 ID : 96234030323

Option 4 ID : 96234030322

Status : **Answered**

Chosen Option : 4

Q.2 Two workers K and L start walking from the same point. K walks 5 km North, then turns right and walks 2 km.  
8 Meanwhile, L walks 3 km West, then turns South and walks 4 km. Finally L turns left and walks 5 km. Where is K with respect to L?

- Ans
- 1. K is 9 km South of L
  - 2. K is 9 km North of L
  - 3. K is 1 km South of L
  - 4. K is 1 km North of L

Question ID : 9623407625  
 Option 1 ID : 96234030497  
 Option 2 ID : 96234030499  
 Option 3 ID : 96234030500  
 Option 4 ID : 96234030498  
 Status : Answered  
 Chosen Option : 2

Q.2 How much will a sum of ₹ 2500, invested at a compound interest, amount to in 1 year at 4% interest rate, interest  
9 compounded half-yearly?

- Ans
- 1. ₹ 2601
  - 2. ₹ 2600
  - 3. ₹ 2610
  - 4. ₹ 2656

Question ID : 9623407587  
 Option 1 ID : 96234030347  
 Option 2 ID : 96234030346  
 Option 3 ID : 96234030348  
 Option 4 ID : 96234030345  
 Status : Answered  
 Chosen Option : 1

Q.3 Select the number that is related to the third number in the same way as the second number is related to the first number.  
0

-13/11 : 11/13 :: 7/5 : ?

- Ans
- 1. -13/7
  - 2. -5/7
  - 3. 11/7
  - 4. 5/7

Question ID : 9623407602  
 Option 1 ID : 96234030408  
 Option 2 ID : 96234030407  
 Option 3 ID : 96234030406  
 Option 4 ID : 96234030405  
 Status : Answered  
 Chosen Option : 2

Q.3 The rate of change of velocity of an object is constant. Its average velocity is:  
1

- Ans
- 1. half of the sum of the initial and final velocity
  - 2. the sum of the initial and final velocity

3. the product of the initial and final velocity
4. half of the difference of the final and initial velocity

Question ID : 9623407569  
Option 1 ID : 96234030274  
Option 2 ID : 96234030273  
Option 3 ID : 96234030275  
Option 4 ID : 96234030276  
Status : **Marked For Review**  
Chosen Option : 4

Q.3 What is the approximate percentage of India's population as a proportion of the world population as of 2018?

2

- Ans  1. 8%
2. 10%
3. 18%
4. 12%

Question ID : 9623407526  
Option 1 ID : 96234030103  
Option 2 ID : 96234030102  
Option 3 ID : 96234030101  
Option 4 ID : 96234030104  
Status : **Answered**  
Chosen Option : 1

Q.3 A wire carries a steady current of 0.2 A for a period of 10 s. The total charge that passes through the wire in this time interval is:

3

- Ans  1. 2.0 C
2. 20 C
3. 0.02 C
4. 50 C

Question ID : 9623407571  
Option 1 ID : 96234030282  
Option 2 ID : 96234030283  
Option 3 ID : 96234030284  
Option 4 ID : 96234030281  
Status : **Answered**  
Chosen Option : 1

Q.3 Water has the maximum density at \_\_\_\_\_ °C.

4

- Ans  1. 4
2. 22
3. 2
4. 0

Question ID : 9623407555  
Option 1 ID : 96234030218  
Option 2 ID : 96234030220  
Option 3 ID : 96234030217

Option 4 ID : 96234030219  
Status : Answered  
Chosen Option : 1

Q.3  
5 95 °F = \_\_\_\_\_ °C

- Ans
- 1. 45
  - 2. 25
  - 3. 15
  - 4. 35

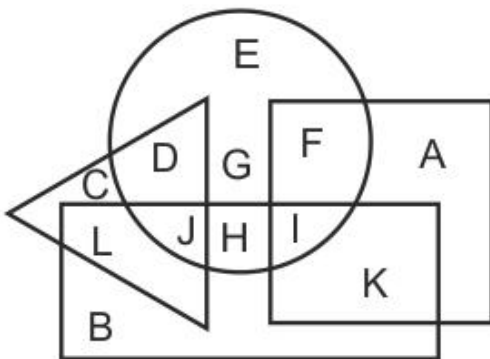
Question ID : 9623407552  
Option 1 ID : 96234030208  
Option 2 ID : 96234030206  
Option 3 ID : 96234030205  
Option 4 ID : 96234030207  
Status : Answered  
Chosen Option : 4

Q.3  
6 What is the side of a cube if its lateral surface area is 324 sq cm?

- Ans
- 1. 9 cm
  - 2. 11 cm
  - 3. 10 cm
  - 4. 8 cm

Question ID : 9623407584  
Option 1 ID : 96234030334  
Option 2 ID : 96234030336  
Option 3 ID : 96234030335  
Option 4 ID : 96234030333  
Status : Answered  
Chosen Option : 1

Q.3  
7 In the following figure, square represents Nurses, triangle represents cyclists, circle represents bachelors and rectangle represents Americans. Which set of letters represents Americans who are bachelors?



- Ans  1. IK

2. JHI  
 3. DGF  
 4. LJ

Question ID : 9623407613  
Option 1 ID : 96234030449  
Option 2 ID : 96234030451  
Option 3 ID : 96234030452  
Option 4 ID : 96234030450  
Status : Answered  
Chosen Option : 2

Q.3 The electric current flowing through a metallic wire is directly proportional to the potential difference  $V$  across its ends,  
8 provided its \_\_\_\_\_ remains the same.

- Ans  1. temperature  
 2. charge  
 3. voltage  
 4. energy

Question ID : 9623407573  
Option 1 ID : 96234030290  
Option 2 ID : 96234030289  
Option 3 ID : 96234030291  
Option 4 ID : 96234030292  
Status : Answered  
Chosen Option : 1

Q.3 Point A divides a line segment BC in the ratio 2 : 1. Co-ordinates of B are (3, -4) and C are (0, 5). What are the co-ordinates of point A?  
9

- Ans  1. (-2, 1)  
 2. (-1, 2)  
 3. (2, 1)  
 4. (1, 2)

Question ID : 9623407589  
Option 1 ID : 96234030356  
Option 2 ID : 96234030354  
Option 3 ID : 96234030355  
Option 4 ID : 96234030353  
Status : Answered  
Chosen Option : 3

Q.4 The actual weight of a person is determined by his:  
0

- Ans  1. Mass  
 2. Mass and width  
 3. Mass and the acceleration due to gravity  
 4. Mass and height

Question ID : 9623407541  
Option 1 ID : 96234030162  
Option 2 ID : 96234030161  
Option 3 ID : 96234030164  
Option 4 ID : 96234030163  
Status : **Marked For Review**  
Chosen Option : 3

Q.4  
1 In a Class 3 lever, the effort and load move:

- Ans
- 1. In the opposite direction
  - 2. In the same direction
  - 3. In the perpendicular direction
  - 4. Depending on the load

Question ID : 9623407562  
Option 1 ID : 96234030246  
Option 2 ID : 96234030245  
Option 3 ID : 96234030248  
Option 4 ID : 96234030247  
Status : **Answered**  
Chosen Option : 1

Q.4  
2 According to National AIDS Control Organisation, almost 50% of new HIV infections are taking place in the age group of:

- Ans
- 1. 15 - 24 years
  - 2. 32 - 40 years
  - 3. 24 - 32 years
  - 4. 40 - 60 years

Question ID : 9623407556  
Option 1 ID : 96234030224  
Option 2 ID : 96234030221  
Option 3 ID : 96234030222  
Option 4 ID : 96234030223  
Status : **Marked For Review**  
Chosen Option : 3

Q.4  
3 The sum of the present ages of a father and his son is 60 years. 5 years from now, the ratio of their ages will be 5 : 2. What is the current age of the son?

- Ans
- 1. 20 years
  - 2. 25 years
  - 3. 10 years
  - 4. 15 years

Question ID : 9623407600  
Option 1 ID : 96234030399  
Option 2 ID : 96234030400  
Option 3 ID : 96234030397  
Option 4 ID : 96234030398  
Status : **Answered**

Chosen Option : 1

Q.4 An object starts moving from rest, with constant acceleration. Its velocity is:

- 4
- Ans
- 1. inversely proportional to time square
  - 2. directly proportional to time
  - 3. inversely proportional to time
  - 4. directly proportional to time square

Question ID : 9623407570  
Option 1 ID : 96234030280  
Option 2 ID : 96234030277  
Option 3 ID : 96234030278  
Option 4 ID : 96234030279  
Status : Answered  
Chosen Option : 2

Q.4 A \_\_\_\_\_ is a curve generated by a point fixed to a circle, within or outside its circumference, as the circle rolls along a

- 5 straight line.
- Ans
- 1. Hurwitz
  - 2. Fermat
  - 3. Hyperelliptic
  - 4. Trochoid

Question ID : 9623407546  
Option 1 ID : 96234030181  
Option 2 ID : 96234030183  
Option 3 ID : 96234030182  
Option 4 ID : 96234030184  
Status : Answered  
Chosen Option : 4

Q.4 The boiling and freezing points of water are exactly \_\_\_\_\_ degrees apart on the Fahrenheit scale.

- 6
- Ans
- 1. 50
  - 2. 273
  - 3. 180
  - 4. 100

Question ID : 9623407536  
Option 1 ID : 96234030141  
Option 2 ID : 96234030144  
Option 3 ID : 96234030143  
Option 4 ID : 96234030142  
Status : Answered  
Chosen Option : 3

Q.4 If the total energy of the reactants is more than the products of the reaction, heat is released and the reaction is said to be

- 7 a/an \_\_\_\_\_ reaction.
- Ans
- 1. endothermic



- 2. potential
- 3. work
- 4. exothermic

Question ID : 9623407540  
Option 1 ID : 96234030158  
Option 2 ID : 96234030160  
Option 3 ID : 96234030159  
Option 4 ID : 96234030157  
Status : Answered  
Chosen Option : 4

Q.4  
8 The duplicate ratio of 4 : 5 is:

- Ans
- 1. 4 : 5
  - 2. 5 : 4
  - 3. 16 : 25
  - 4. 64 : 125

Question ID : 9623407595  
Option 1 ID : 96234030378  
Option 2 ID : 96234030377  
Option 3 ID : 96234030379  
Option 4 ID : 96234030380  
Status : Answered  
Chosen Option : 3

Q.4  
9 The compound interest on a certain sum of money for 2 years at 10% per annum is ₹ 420. What would be the simple interest on the same sum for the same period and the same rate?

- Ans
- 1. ₹ 350
  - 2. ₹ 380
  - 3. ₹ 400
  - 4. ₹ 375

Question ID : 9623407586  
Option 1 ID : 96234030341  
Option 2 ID : 96234030344  
Option 3 ID : 96234030343  
Option 4 ID : 96234030342  
Status : Answered  
Chosen Option : 3

Q.5  
0 Al-Haram Mosque is the largest mosque in the world. It is situated in:

- Ans
- 1. Batna
  - 2. Medina
  - 3. Jerusalem
  - 4. Mecca

Question ID : 9623407531  
Option 1 ID : 96234030124  
Option 2 ID : 96234030121

Option 3 ID : 96234030122  
 Option 4 ID : 96234030123  
 Status : **Marked For Review**  
 Chosen Option : 3

**Q.5** In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '+' and '-' represents '-'. Find out the answer to the following expression in that code language.

- 8 - 4 x 2 + 6 = ?
- Ans  1. 10  
 2. 12  
 3. 20  
 4. 18

Question ID : 9623407607  
 Option 1 ID : 96234030426  
 Option 2 ID : 96234030425  
 Option 3 ID : 96234030427  
 Option 4 ID : 96234030428  
 Status : **Answered**  
 Chosen Option : 3

**Q.5** Which statement with regard to Class 3 lever is true?

- Ans  1. The fulcrum is between the load and the effort  
 2. The effort is between the load and the fulcrum  
 3. The fulcrum is near the effort  
 4. The load is in between the effort and the fulcrum

Question ID : 9623407560  
 Option 1 ID : 96234030240  
 Option 2 ID : 96234030237  
 Option 3 ID : 96234030238  
 Option 4 ID : 96234030239  
 Status : **Answered**  
 Chosen Option : 2

**Q.5** Two resistors, one of 12  $\Omega$  and the other of 24  $\Omega$ , are connected in parallel. This combination is connected in series with a 22  $\Omega$  resistor and a 12 V battery. The current in 24  $\Omega$  resistor is:

- Ans  1. (4/15) A  
 2. (2/15) A  
 3. (6/15) A  
 4. (8/15) A

Question ID : 9623407566  
 Option 1 ID : 96234030262  
 Option 2 ID : 96234030261  
 Option 3 ID : 96234030263  
 Option 4 ID : 96234030264  
 Status : **Answered**  
 Chosen Option : 1

Q.5 A statement is given followed by some conclusions as part of the options. Select the conclusion that logically follows the statement.

4

Statement: Polio vaccines given to children below 5 years of age reduce instances of polio in the vaccinated children.

Ans  1. All children who are vaccinated will never get polio.

2.

If the cost of the vaccination is more than the cost of treatment, then the vaccination should be suspended.

3. Some children get polio despite getting polio vaccines.

4. Some children may get polio via vaccinations.

Question ID : 9623407617

Option 1 ID : 96234030468

Option 2 ID : 96234030466

Option 3 ID : 96234030465

Option 4 ID : 96234030467

Status : Answered

Chosen Option : 3

Q.5 An object starts from rest at  $x=0$  m and  $t=0$  s. It moves with constant acceleration of  $3 \text{ m/s}^2$  along x axis. What is its average velocity between time 4 s and 8 s?

5

Ans  1. 6 m/s

2. 18 m/s

3. 3 m/s

4. 12 m/s

Question ID : 9623407563

Option 1 ID : 96234030250

Option 2 ID : 96234030252

Option 3 ID : 96234030249

Option 4 ID : 96234030251

Status : Answered

Chosen Option : 4

Q.5 Which two mathematical symbols need to be interchanged to correct the below equation?

6

$$9 + 3 \times 2 - 8 + 4 = 8$$

Ans  1.  $\div$  and  $+$

2.  $\div$  and  $\times$

3.  $\times$  and  $-$

4.  $+$  and  $\times$

Question ID : 9623407608

Option 1 ID : 96234030430

Option 2 ID : 96234030429

Option 3 ID : 96234030432

Option 4 ID : 96234030431

Status : Answered

Chosen Option : 3

Q.5 How much work is done in moving a charge of 10 C across two points having a potential difference 20 V?

7

- Ans
- 1. 10 J
  - 2. 2 J
  - 3. 200 J
  - 4. 0.5 J

Question ID : 9623407572  
Option 1 ID : 96234030288  
Option 2 ID : 96234030286  
Option 3 ID : 96234030285  
Option 4 ID : 96234030287  
Status : **Marked For Review**  
Chosen Option : 2

Q.5  
8 Which mountain has the highest elevation in the African continent?

- Ans
- 1. Mt. Kosciusko
  - 2. Mt. Elbrus
  - 3. Mt. Everest
  - 4. Mt. Kilimanjaro

Question ID : 9623407529  
Option 1 ID : 96234030115  
Option 2 ID : 96234030116  
Option 3 ID : 96234030113  
Option 4 ID : 96234030114  
Status : **Answered**  
Chosen Option : 4

Q.5  
9 What is the value of  $\sqrt{735}/\sqrt{375}$ ?

- Ans
- 1. 13/5
  - 2. 5/7
  - 3. 7/5
  - 4. 5/13

Question ID : 9623407598  
Option 1 ID : 96234030391  
Option 2 ID : 96234030389  
Option 3 ID : 96234030390  
Option 4 ID : 96234030392  
Status : **Answered**  
Chosen Option : 3

Q.6  
0 The geometric mean of 9 and 81 is:

- Ans
- 1. 21
  - 2. 24
  - 3. 27
  - 4. 30

Question ID : 9623407597

Option 1 ID : 96234030385  
 Option 2 ID : 96234030386  
 Option 3 ID : 96234030387  
 Option 4 ID : 96234030388  
 Status : Answered  
 Chosen Option : 3

Q.6 An article, whose marked price is ₹ 100, was bought at a discount of 10%. At what price should it be sold to have a  
 1 profit of 25%?

- Ans
- 1. ₹ 105
  - 2. ₹ 110
  - 3. ₹ 107.5
  - 4. ₹ 112.50

Question ID : 9623407580  
 Option 1 ID : 96234030317  
 Option 2 ID : 96234030319  
 Option 3 ID : 96234030318  
 Option 4 ID : 96234030320  
 Status : Answered  
 Chosen Option : 4

Q.6 An obtuse angle is:  
 2

- Ans
- 1. Equal to  $45^{\circ}$
  - 2. Less than  $90^{\circ}$
  - 3. Greater than  $90^{\circ}$
  - 4. Equal to  $90^{\circ}$

Question ID : 9623407548  
 Option 1 ID : 96234030192  
 Option 2 ID : 96234030189  
 Option 3 ID : 96234030191  
 Option 4 ID : 96234030190  
 Status : Answered  
 Chosen Option : 3

Q.6 In the question, two statements are given, followed by two conclusions I and II. You have to consider the statements to  
 3 be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow(s) from the given statements.

Statement 1 : No ties are bows.

Statement 2 : All bows are silk.

Conclusion I : Some ties are silk.

Conclusion II : Some silk are bows.

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

Question ID : 9623407611

Option 1 ID : 96234030441

Option 2 ID : 96234030444

Option 3 ID : 96234030443

Option 4 ID : 96234030442

Status : Answered

Chosen Option : 4

Q.6  
4 Where is the headquarters of the World Wide Fund for Nature?

- Ans
- 1. Germany
  - 2. Switzerland
  - 3. France
  - 4. Austria

Question ID : 9623407535

Option 1 ID : 96234030139

Option 2 ID : 96234030137

Option 3 ID : 96234030138

Option 4 ID : 96234030140

Status : Answered

Chosen Option : 2

Q.6  
5 Consider a planet whose mass and radius both are one half to that of Earth. An object of weight  $W$  on Earth will weigh \_\_\_\_\_ on that planet.

- Ans
- 1.  $W/4$
  - 2.  $W$
  - 3.  $W/2$
  - 4.  $2W$

Question ID : 9623407544

Option 1 ID : 96234030173

Option 2 ID : 96234030175

Option 3 ID : 96234030174

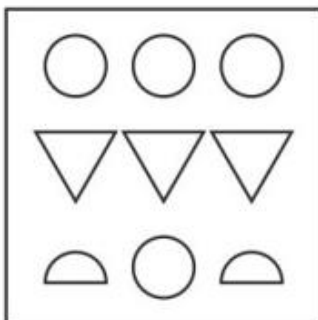
Option 4 ID : 96234030176

Status : Answered

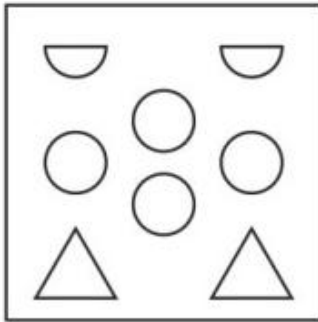
Chosen Option : 1

Q.6  
6 Choose the figure that is different from the rest.

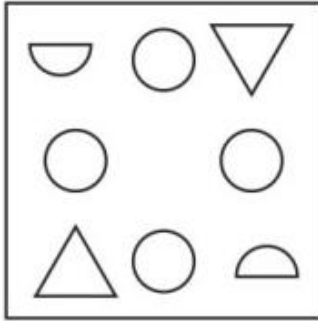
Ans

 1.


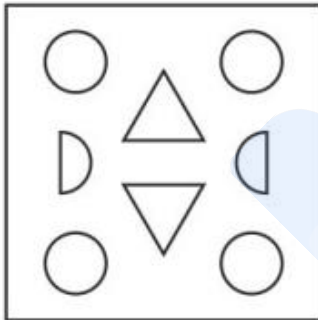
✗ 2.



✗ 3.



✗ 4.



Question ID : 9623407623

Option 1 ID : 96234030491

Option 2 ID : 96234030492

Option 3 ID : 96234030490

Option 4 ID : 96234030489

Status : Answered

Chosen Option : 3

Q.6  
7 A girl of weight 440 N climbs up a rope through

a height of 7 m in 20 s. The power expended by the girl is:

- Ans
- ✗ 1. 154 W
  - ✓ 2. 15.4 W
  - ✗ 3. 72 W
  - ✗ 4. 36 W

Question ID : 9623407537

Option 1 ID : 96234030148

Option 2 ID : 96234030145

Option 3 ID : 96234030147

Option 4 ID : 96234030146

Status : Answered

Chosen Option : 1

Q.6  
8  $\Delta ABC$  is right angled at A. If  $\angle C = 30^\circ$ , then  $\sec B =$

- Ans
- 1. 2
  - 2.  $1/\sqrt{2}$
  - 3. 0.50
  - 4.  $\sqrt{2}$

Question ID : 9623407591  
Option 1 ID : 96234030362  
Option 2 ID : 96234030363  
Option 3 ID : 96234030361  
Option 4 ID : 96234030364  
Status : Answered  
Chosen Option : 1

Q.6  
9 A piece of programming code inserted into another program to cause damage is called:

- Ans
- 1. Viral
  - 2. Virus
  - 3. Malware
  - 4. Spam

Question ID : 9623407558  
Option 1 ID : 96234030229  
Option 2 ID : 96234030230  
Option 3 ID : 96234030231  
Option 4 ID : 96234030232  
Status : Answered  
Chosen Option : 2

Q.7  
0 A fishing boat sails 9 km South in still water. It then turns East and sails 8 km, turns North and sails 9 km, then turns to its right and sails 12 km. Where is the boat now with reference to its starting position?

- Ans
- 1. 4 km East
  - 2. 4 km West
  - 3. 20 km West
  - 4. 20 km East

Question ID : 9623407624  
Option 1 ID : 96234030494  
Option 2 ID : 96234030495  
Option 3 ID : 96234030493  
Option 4 ID : 96234030496  
Status : Answered  
Chosen Option : 4

Q.7  
1 A file, which is to archive and compress them into one file of smaller size using a program is called as \_\_\_\_\_.

- Ans
- 1. SSL
  - 2. ZIP



3. SEO
4. SAAS

Question ID : 9623407557  
 Option 1 ID : 96234030226  
 Option 2 ID : 96234030227  
 Option 3 ID : 96234030228  
 Option 4 ID : 96234030225  
 Status : Answered  
 Chosen Option : 2

Q.7 If a six digit number 738A6A is divisible by 11 and a three digit number 68X is divisible by 9, then the value of (A+X) is:

- Ans  1. 13
2. 12
3. 11
4. 15

Question ID : 9623407576  
 Option 1 ID : 96234030303  
 Option 2 ID : 96234030302  
 Option 3 ID : 96234030301  
 Option 4 ID : 96234030304  
 Status : Answered  
 Chosen Option : 1

Q.7 \_\_\_\_\_ curve is a curve traced by the free end of a thread unwound from a circle or a polygon in such a way that the thread is always tight and tangential to the circle or side of the polygon.

- Ans  1. A logarithmic
2. A sinusoidal
3. An exponential
4. An involute

Question ID : 9623407547  
 Option 1 ID : 96234030185  
 Option 2 ID : 96234030187  
 Option 3 ID : 96234030188  
 Option 4 ID : 96234030186  
 Status : Not Answered  
 Chosen Option : --

Q.7 If an object has a mass of 100 kg on Earth, what would be its mass on the Moon?

- Ans  1. 0 kg
2. 100 kg
3. 16.7 kg
4. 980 kg

Question ID : 9623407542  
 Option 1 ID : 96234030168  
 Option 2 ID : 96234030166

Option 3 ID : 96234030167  
Option 4 ID : 96234030165  
Status : Answered  
Chosen Option : 2

Q.7  
5 18% of 90% of 500 = ?

- Ans
- 1. 79
  - 2. 81
  - 3. 78
  - 4. 80

Question ID : 9623407596  
Option 1 ID : 96234030382  
Option 2 ID : 96234030384  
Option 3 ID : 96234030381  
Option 4 ID : 96234030383  
Status : Answered  
Chosen Option : 2

Q.7  
6 A regular dodecahedron has twelve identical \_\_\_\_\_ faces.

- Ans
- 1. hexagonal
  - 2. quadrilateral
  - 3. triangular
  - 4. pentagonal

Question ID : 9623407549  
Option 1 ID : 96234030196  
Option 2 ID : 96234030195  
Option 3 ID : 96234030193  
Option 4 ID : 96234030194  
Status : Marked For Review  
Chosen Option : 3

Q.7  
7 An airplane flies at the speed of 1080 kmph. How much distance does it cover in a flight of 5 s?

- Ans
- 1. 1625 m
  - 2. 1500 m
  - 3. 1350 m
  - 4. 1250 m

Question ID : 9623407585  
Option 1 ID : 96234030340  
Option 2 ID : 96234030339  
Option 3 ID : 96234030338  
Option 4 ID : 96234030337  
Status : Answered  
Chosen Option : 2

Q.7  
8 "Gudi Padwa" is an auspicious day that marks the beginning of the traditional new year for Marathi Hindus. Which Hindu month is it celebrated in?

- Ans  1. Chaitra  
 2. Vaisakha  
 3. Bhadra  
 4. Shravana

Question ID : 9623407528  
 Option 1 ID : 96234030110  
 Option 2 ID : 96234030109  
 Option 3 ID : 96234030112  
 Option 4 ID : 96234030111  
 Status : Answered  
 Chosen Option : 2

Q.7 A concrete wall of thickness 15 cm has inside temperature 25°C and outside temperature 5°C. The rate of heat loss through per square metre of the wall (thermal conductivity 0.81 J/(s m K)) is:

- Ans  1. 120 J/s  
 2. 54 J/s  
 3. 163 J/s  
 4. 108 J/s

Question ID : 9623407565  
 Option 1 ID : 96234030259  
 Option 2 ID : 96234030257  
 Option 3 ID : 96234030260  
 Option 4 ID : 96234030258  
 Status : Not Attempted and Marked For Review  
 Chosen Option : --

Q.8 Who was the first Indian to receive a Nobel Prize?

- Ans  1. Mother Teresa  
 2. Amartya Sen  
 3. Rabindranath Tagore  
 4. C V Raman

Question ID : 9623407532  
 Option 1 ID : 96234030126  
 Option 2 ID : 96234030128  
 Option 3 ID : 96234030125  
 Option 4 ID : 96234030127  
 Status : Answered  
 Chosen Option : 3

Q.8 A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.

4.6, 5.2, 5.8, ?, 7, 7.6

- Ans  1. 6.4  
 2. 7.2  
 3. 6.8

**X** 4. 6.2

Question ID : 9623407604  
Option 1 ID : 96234030415  
Option 2 ID : 96234030416  
Option 3 ID : 96234030414  
Option 4 ID : 96234030413  
Status : Answered  
Chosen Option : 1

**Q.8** An article was sold for ₹ 14000. Had a discount of 10% was offered, a profit of 5% would have been made. What is the  
2 cost price?

- Ans**  1. ₹ 12000  
 2. ₹ 12600  
 3. ₹ 11500  
 4. ₹ 12500

Question ID : 9623407579  
Option 1 ID : 96234030314  
Option 2 ID : 96234030316  
Option 3 ID : 96234030313  
Option 4 ID : 96234030315  
Status : Not Answered  
Chosen Option : --

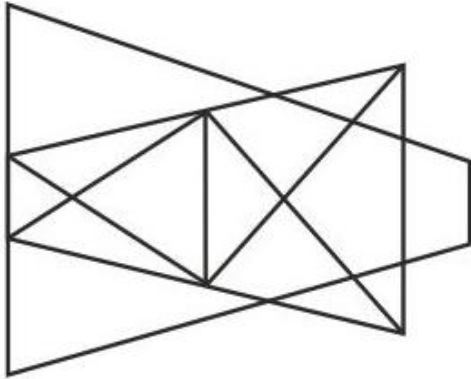
**Q.8** In a certain code language, 286 means 'egg is white', 586 means 'milk is white' and 524 means 'egg or milk'. Find the  
3 code for 'or'.

- Ans**  1. 4  
 2. 5  
 3. 6  
 4. 2

Question ID : 9623407605  
Option 1 ID : 96234030417  
Option 2 ID : 96234030419  
Option 3 ID : 96234030420  
Option 4 ID : 96234030418  
Status : Answered  
Chosen Option : 1

**Q.8**  
4

What is the minimum number of lines required to make the given image?



- Ans
- 1. 12
  - 2. 10
  - 3. 11
  - 4. 9

Question ID : 9623407620

Option 1 ID : 96234030479

Option 2 ID : 96234030478

Option 3 ID : 96234030480

Option 4 ID : 96234030477

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 A cylindrical wire of length  $L$  and radius  $r$  has a resistance  $R$ . The resistance of another wire of the same material but of 5

twice its length and one-fourth its radius is:

- Ans
- 1.  $32R$
  - 2.  $8R$
  - 3.  $16R$
  - 4.  $R$

Question ID : 9623407567

Option 1 ID : 96234030265

Option 2 ID : 96234030267

Option 3 ID : 96234030266

Option 4 ID : 96234030268

Status : Answered

Chosen Option : 1

Q.8 What is the angle between the two hands of a clock when the time shown by the clock is 4 hours 15 minutes?

6

- Ans
- 1. 32.5 degrees
  - 2. 30 degrees
  - 3. 40 degrees

✓ 4. 37.5 degrees

Question ID : 9623407592  
 Option 1 ID : 96234030367  
 Option 2 ID : 96234030365  
 Option 3 ID : 96234030368  
 Option 4 ID : 96234030366  
 Status : **Not Attempted and Marked For Review**  
 Chosen Option : --

Q.8  
 7 Which of these is the top apple producing country of the world?

- Ans ✓ 1. China  
 ✗ 2. Poland  
 ✗ 3. United Kingdom  
 ✗ 4. United States

Question ID : 9623407527  
 Option 1 ID : 96234030107  
 Option 2 ID : 96234030108  
 Option 3 ID : 96234030106  
 Option 4 ID : 96234030105  
 Status : **Not Answered**  
 Chosen Option : --

Q.8  
 8 Two taps take 10 min and 15 min, respectively, to fill an empty pool. The first tap was ON for 4 min, after which it stopped working. How much time will the second tap take to fill the pool?

- Ans ✗ 1. 12 min  
 ✓ 2. 9 min  
 ✗ 3. 10 min  
 ✗ 4. 8 min

Question ID : 9623407594  
 Option 1 ID : 96234030376  
 Option 2 ID : 96234030375  
 Option 3 ID : 96234030374  
 Option 4 ID : 96234030373  
 Status : **Answered**  
 Chosen Option : 2

Q.8  
 9 Find the odd set of letters from the given alternatives.

- Ans ✗ 1. WUS  
 ✗ 2. QOM  
 ✓ 3. GIK  
 ✗ 4. ECA

Question ID : 9623407618  
 Option 1 ID : 96234030472  
 Option 2 ID : 96234030471  
 Option 3 ID : 96234030469  
 Option 4 ID : 96234030470

Status : Answered  
Chosen Option : 3

Q.9  
0 Identify the material having the highest coefficient of volume expansion.

- Ans
- 1. Iron
  - 2. Brass
  - 3. Hard rubber
  - 4. Mercury

Question ID : 9623407554  
Option 1 ID : 96234030214  
Option 2 ID : 96234030213  
Option 3 ID : 96234030216  
Option 4 ID : 96234030215  
Status : Answered  
Chosen Option : 4

Q.9  
1 An object is moving with a speed 100 m/s. Find the distance travelled by this object in one minute.

- Ans
- 1. 0.6 km
  - 2. 6 km
  - 3. 10 km
  - 4. 100 km

Question ID : 9623407568  
Option 1 ID : 96234030270  
Option 2 ID : 96234030269  
Option 3 ID : 96234030271  
Option 4 ID : 96234030272  
Status : Answered  
Chosen Option : 1

Q.9  
2 Four 100- $\Omega$  resistors are connected in parallel and this combination is connected across a 100 V supply voltage. Find the power dissipation in each resistor.

- Ans
- 1. 300 W
  - 2. 400 W
  - 3. 100 W
  - 4. 200 W

Question ID : 9623407574  
Option 1 ID : 96234030295  
Option 2 ID : 96234030296  
Option 3 ID : 96234030293  
Option 4 ID : 96234030294  
Status : Answered  
Chosen Option : 3

Q.9  
3 A ball of mass  $m$  is dropped from a height  $H$ . At height  $H/3$ , the ratio of its potential energy (PE) to kinetic energy (KE) is equal to:

- Ans
- 1.  $1/4$
  - 2. 1

3. 1/2

4. 1/3

Question ID : 9623407538  
 Option 1 ID : 96234030152  
 Option 2 ID : 96234030150  
 Option 3 ID : 96234030149  
 Option 4 ID : 96234030151  
 Status : Answered  
 Chosen Option : 2

Q.9  
4 When  $3^{21684}$  is divided by 5, the remainder is:

Ans  1. 1

2. 4

3. 2

4. 3

Question ID : 9623407577  
 Option 1 ID : 96234030305  
 Option 2 ID : 96234030308  
 Option 3 ID : 96234030306  
 Option 4 ID : 96234030307  
 Status : Answered  
 Chosen Option : 4

Q.9  
5 If  $a - b = 5$  and  $ab = 24$ , then  $a^2 + b^2 =$

Ans  1. 1

2. 72

3. 36

4. 73

Question ID : 9623407588  
 Option 1 ID : 96234030349  
 Option 2 ID : 96234030351  
 Option 3 ID : 96234030350  
 Option 4 ID : 96234030352  
 Status : Answered  
 Chosen Option : 4

Q.9  
6 If STARCH is coded as QRYPAF, then how will END be coded as?

Ans  1. EDC

2. CLB

3. IHG

4. QPO

Question ID : 9623407606  
 Option 1 ID : 96234030422  
 Option 2 ID : 96234030421  
 Option 3 ID : 96234030423



Option 4 ID : 96234030424

Status : Answered

Chosen Option : 2

Q.9  
7 The Ideal-gas equation is \_\_\_\_\_.

- Ans
- 1.  $PV/T = \mu R$
  - 2.  $PV/T = (1/\mu) R$
  - 3.  $T/PV = \mu R$
  - 4.  $P/VT = \mu R$

Question ID : 9623407551

Option 1 ID : 96234030201

Option 2 ID : 96234030203

Option 3 ID : 96234030204

Option 4 ID : 96234030202

Status : Answered

Chosen Option : 1

Q.9  
8 A 50 g block of copper is heated from 20°C to 60°C. How much heat is transferred to the block (specific heat of copper is  $386 \text{ Jkg}^{-1}\text{K}^{-1}$ ) ?

- Ans
- 1. 320 J
  - 2. 572 J
  - 3. 852 J
  - 4. 772 J

Question ID : 9623407564

Option 1 ID : 96234030253

Option 2 ID : 96234030254

Option 3 ID : 96234030256

Option 4 ID : 96234030255

Status : Answered

Chosen Option : 4

Q.9  
9 If I + J means I is the father of J; I - J means I is the son-in-law of J; and I \* J means I is the wife of J, then which of the following shows that F is the brother of C, considering that C has only one sibling?

- Ans
- 1.  $C - E * D + F$
  - 2.  $C * D - E + F$
  - 3.  $C + D - E * F$
  - 4.  $C + E - D * F$

Question ID : 9623407610

Option 1 ID : 96234030440

Option 2 ID : 96234030437

Option 3 ID : 96234030439

Option 4 ID : 96234030438

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.1  
00 What is the least number which, when divided by 5, 6, 8 and 10, leaves a remainder of 2 in each case?

Ans

- 1. 128
- 2. 122
- 3. 162
- 4. 118

Question ID : 9623407582  
Option 1 ID : 96234030327  
Option 2 ID : 96234030328  
Option 3 ID : 96234030326  
Option 4 ID : 96234030325  
Status : Answered  
Chosen Option : 2

## Section : Electrician

Q.1 Which is the insulation material used in an electric iron?

- Ans
- 1. Plastic
  - 2. Rubber
  - 3. Silica
  - 4. Mica

Question ID : 9623407688  
Option 1 ID : 96234030752  
Option 2 ID : 96234030751  
Option 3 ID : 96234030749  
Option 4 ID : 96234030750  
Status : Answered  
Chosen Option : 4

Q.2 The protective equipment used to protect equipment against lightning stroke is:

- Ans
- 1. shunt reactors
  - 2. circuit breaker
  - 3. isolator
  - 4. Lightning arrester

Question ID : 9623407680  
Option 1 ID : 96234030720  
Option 2 ID : 96234030719  
Option 3 ID : 96234030718  
Option 4 ID : 96234030717  
Status : Answered  
Chosen Option : 4

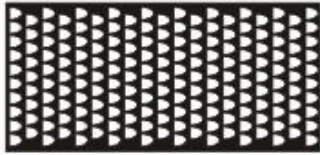
Q.3 The \_\_\_\_\_ of a motor depends on the loading of the motor.

- Ans
- 1. power factor
  - 2. voltage rating
  - 3. winding

4. efficiency

Question ID : 9623407649  
Option 1 ID : 96234030594  
Option 2 ID : 96234030593  
Option 3 ID : 96234030595  
Option 4 ID : 96234030596  
Status : Answered  
Chosen Option : 1

Q.4 Identify the type of file shown in the below figure.



- Ans  1. RASP cut file  
 2. Double cut file  
 3. Single cut file  
 4. Curved cut file

Question ID : 9623407640  
Option 1 ID : 96234030557  
Option 2 ID : 96234030558  
Option 3 ID : 96234030560  
Option 4 ID : 96234030559  
Status : Not Answered  
Chosen Option : --

Q.5 The protection system of the household circuit that trips if someone receives a shock is:

- Ans  1. ELCB  
 2. MCB  
 3. HRC fuse  
 4. MCCB

Question ID : 9623407687  
Option 1 ID : 96234030747  
Option 2 ID : 96234030746  
Option 3 ID : 96234030748  
Option 4 ID : 96234030745  
Status : Answered  
Chosen Option : 2

Q.6 Which of the meters cannot be used in DC circuits?

- Ans  1. Mercury motor meter  
 2. Voltmeter  
 3. Commutator motor meters  
 4. Induction meter

Question ID : 9623407661  
Option 1 ID : 96234030641  
Option 2 ID : 96234030642  
Option 3 ID : 96234030644  
Option 4 ID : 96234030643  
Status : Answered  
Chosen Option : 1

Q.7 Resistance can be measured using:

- Ans
- 1. Voltmeter
  - 2. Wattmeter
  - 3. Ammeter
  - 4. Ohmmeter

Question ID : 9623407633  
Option 1 ID : 96234030530  
Option 2 ID : 96234030529  
Option 3 ID : 96234030531  
Option 4 ID : 96234030532  
Status : Answered  
Chosen Option : 4

Q.8 Which part of the motor confirms that it is a DC motor?

- Ans
- 1. Frame
  - 2. Commutator
  - 3. Shaft
  - 4. Stator

Question ID : 9623407632  
Option 1 ID : 96234030525  
Option 2 ID : 96234030527  
Option 3 ID : 96234030526  
Option 4 ID : 96234030528  
Status : Answered  
Chosen Option : 2

Q.9 What does the symbol shown below represent?



- Ans
- 1. Heater
  - 2. Blower
  - 3. Fan
  - 4. Chiller

Question ID : 9623407630

Option 1 ID : 96234030520

Option 2 ID : 96234030518

Option 3 ID : 96234030517

Option 4 ID : 96234030519

Status : Not Answered

Chosen Option : --

Q.1  
0 The current on a high voltage line is measured using:

- Ans
- 1. Current shunt
  - 2. Voltage transformer
  - 3. Load resistor
  - 4. Current transformer

Question ID : 9623407628

Option 1 ID : 96234030509

Option 2 ID : 96234030512

Option 3 ID : 96234030510

Option 4 ID : 96234030511

Status : Answered

Chosen Option : 4

Q.1  
1 In a universal motor, normally the ratio of width of brush to the width of commutator segments is:

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

Question ID : 9623407663

Option 1 ID : 96234030651

Option 2 ID : 96234030650

Option 3 ID : 96234030649

Option 4 ID : 96234030652

Status : Not Answered

Chosen Option : --

Q.1  
2 The minimum clearance distance that equipment should be kept away from power lines is:

- Ans
- 1. 20 feet
  - 2. 10 feet
  - 3. 15 feet
  - 4. 5 feet

Question ID : 9623407650

Option 1 ID : 96234030600

Option 2 ID : 96234030598

Option 3 ID : 96234030599

Option 4 ID : 96234030597

Status : Not Answered

Chosen Option : --

Q.1  
3 Which among the below is not generally used for distribution systems?

- Ans
- 1. 1 phase ,3 wire system
  - 2. 3 phase, 3 wire system
  - 3. 3 phase, 4 wire system
  - 4. 1 phase ,4 wire system

Question ID : 9623407651  
Option 1 ID : 96234030603  
Option 2 ID : 96234030601  
Option 3 ID : 96234030602  
Option 4 ID : 96234030604  
Status : Answered  
Chosen Option : 4

Q.1  
4 In which type of motor a fly wheel is used during heavy loads?

- Ans
- 1. DC Series motor
  - 2. AC series motor
  - 3. DC Shunt motor
  - 4. AC shunt motor

Question ID : 9623407667  
Option 1 ID : 96234030665  
Option 2 ID : 96234030668  
Option 3 ID : 96234030667  
Option 4 ID : 96234030666  
Status : Answered  
Chosen Option : 1

Q.1  
5 Latches are \_\_\_\_\_ circuits.

- Ans
- 1. edge triggered
  - 2. pulse triggered
  - 3. count triggered
  - 4. level triggered

Question ID : 9623407686  
Option 1 ID : 96234030741  
Option 2 ID : 96234030743  
Option 3 ID : 96234030744  
Option 4 ID : 96234030742  
Status : Answered  
Chosen Option : 2

Q.1  
6 \_\_\_\_\_ is unlikely to cause an electric shock while doing electric work.

- Ans
- 1. Wet wood
  - 2. Metal rod

- 3. Wet rope
- 4. Dry wood

Question ID : 9623407660  
Option 1 ID : 96234030638  
Option 2 ID : 96234030637  
Option 3 ID : 96234030639  
Option 4 ID : 96234030640  
Status : Answered  
Chosen Option : 1

Q.1  
7 Which one of the following is a ferromagnetic material?

- Ans
- 1. Nickel
  - 2. Lead
  - 3. Platinum
  - 4. Copper

Question ID : 9623407698  
Option 1 ID : 96234030790  
Option 2 ID : 96234030792  
Option 3 ID : 96234030789  
Option 4 ID : 96234030791  
Status : Answered  
Chosen Option : 1

Q.1  
8 The visor of a halogen flood lamp is made of:

- Ans
- 1. Mica
  - 2. Glass
  - 3. Polycarbonate
  - 4. Silica

Question ID : 9623407635  
Option 1 ID : 96234030537  
Option 2 ID : 96234030539  
Option 3 ID : 96234030540  
Option 4 ID : 96234030538  
Status : Not Answered  
Chosen Option : --

Q.1  
9 In a delta to star connection of transformer one of the following is true

- Ans
- 1. used for large HV transformers
  - 2. Used for applications where voltages need to be stepped down
  - 3. line voltage is equal to phase voltage
  - 4. Used for applications where voltages need to be stepped up

Question ID : 9623407690

Option 1 ID : 96234030760

Option 2 ID : 96234030758

Option 3 ID : 96234030757

Option 4 ID : 96234030759

Status : Answered

Chosen Option : 3

Q.2  
0 The direction of force in a current carrying conductor can be determined using:

- Ans
- 1. Fleming's Left Hand Rule
  - 2. Faraday's Law
  - 3. Fleming's Fist Rule
  - 4. Fleming's Right Hand Rule

Question ID : 9623407644

Option 1 ID : 96234030574

Option 2 ID : 96234030576

Option 3 ID : 96234030575

Option 4 ID : 96234030573

Status : Answered

Chosen Option : 1

Q.2  
1 Which is the DC motor whose speed is independent of armature current?

- Ans
- 1. Series motor
  - 2. Compound motor
  - 3. Brush-less motor
  - 4. Shunt motor

Question ID : 9623407631

Option 1 ID : 96234030521

Option 2 ID : 96234030524

Option 3 ID : 96234030522

Option 4 ID : 96234030523

Status : Answered

Chosen Option : 3

Q.2  
2 The type of connection commonly used in low voltage distribution systems is:

- Ans
- 1. Star / Star
  - 2. delta / delta
  - 3. Star / delta
  - 4. Delta / star

Question ID : 9623407692

Option 1 ID : 96234030765

Option 2 ID : 96234030767

Option 3 ID : 96234030766

Option 4 ID : 96234030768

Status : Not Answered

Chosen Option : --



Q.2  
3 PVC insulated non sheathed single core cables are most preferably used in:

- Ans
- 1. domestic and industrial wiring
  - 2. Hazardous locations
  - 3. Dry locations and underground systems
  - 4. Wet locations

Question ID : 9623407639  
Option 1 ID : 96234030556  
Option 2 ID : 96234030553  
Option 3 ID : 96234030554  
Option 4 ID : 96234030555  
Status : Answered  
Chosen Option : 4

Q.2  
4 What is the type of cell used for building a laptop battery pack?

- Ans
- 1. Nickel cadmium
  - 2. Lithium ion
  - 3. Zinc silver oxide
  - 4. Lead acid

Question ID : 9623407641  
Option 1 ID : 96234030564  
Option 2 ID : 96234030563  
Option 3 ID : 96234030561  
Option 4 ID : 96234030562  
Status : Answered  
Chosen Option : 2

Q.2  
5 Boost charging is the process of charging on \_\_\_\_\_.

- Ans
- 1. Low Current for Short time
  - 2. High Current for a Short time
  - 3. Low Current for a long time
  - 4. High Current for a Long Time

Question ID : 9623407642  
Option 1 ID : 96234030568  
Option 2 ID : 96234030566  
Option 3 ID : 96234030565  
Option 4 ID : 96234030567  
Status : Answered  
Chosen Option : 2

Q.2  
6 An alternator provides maximum power when the load angle is:

- Ans
- 1.  $180^\circ$
  - 2.  $90^\circ$
  - 3.  $120^\circ$

4.  $45^\circ$

Question ID : 9623407684  
Option 1 ID : 96234030736  
Option 2 ID : 96234030733  
Option 3 ID : 96234030735  
Option 4 ID : 96234030734  
Status : Answered  
Chosen Option : 2

Q.2  
7 A star to star transformer works properly when:

- Ans
- 1. Voltage is high
  - 2. Load is unbalanced
  - 3. Current is high
  - 4. Load is balanced

Question ID : 9623407689  
Option 1 ID : 96234030755  
Option 2 ID : 96234030753  
Option 3 ID : 96234030756  
Option 4 ID : 96234030754  
Status : Answered  
Chosen Option : 4

Q.2  
8 Which of the following is an example for non conventional energy resource?

- Ans
- 1. petrol
  - 2. diesel
  - 3. wind
  - 4. coal

Question ID : 9623407626  
Option 1 ID : 96234030503  
Option 2 ID : 96234030504  
Option 3 ID : 96234030501  
Option 4 ID : 96234030502  
Status : Answered  
Chosen Option : 3

Q.2  
9 A three phase star configuration motor has:

- Ans
- 1. 4 hot wires and 1 neutral wire
  - 2. 3 hot wires and 1 ground wire
  - 3. 3 hot, 1 neutral and 1 ground wires
  - 4. 3 hot wires and 1 neutral wire

Question ID : 9623407695  
Option 1 ID : 96234030780  
Option 2 ID : 96234030779  
Option 3 ID : 96234030777

Option 4 ID : 96234030778

Status : Answered

Chosen Option : 4

Q.3  
0 Which among the following is not a passive component?

- Ans
- 1. capacitor
  - 2. Resistor
  - 3. Inductor
  - 4. Diode

Question ID : 9623407693

Option 1 ID : 96234030771

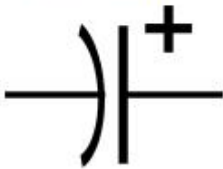
Option 2 ID : 96234030769

Option 3 ID : 96234030770

Option 4 ID : 96234030772

Status : Answered

Chosen Option : 4

Q.3  
1 What is represented by the below symbol?

- Ans
- 1. Battery
  - 2. Capacitor
  - 3. capacitor polarized
  - 4. Resistor

Question ID : 9623407654

Option 1 ID : 96234030616

Option 2 ID : 96234030615

Option 3 ID : 96234030613

Option 4 ID : 96234030614

Status : Answered

Chosen Option : 3

Q.3  
2 When a capacitor load is connected, the power factor is:

- Ans
- 1. Leading
  - 2. Infinite
  - 3. Unity
  - 4. Lagging

Question ID : 9623407674

Option 1 ID : 96234030693

Option 2 ID : 96234030696

Option 3 ID : 96234030695

Option 4 ID : 96234030694

Status : **Answered**  
Chosen Option : 1

Q.3  
3 The starter which can be used to reduce the voltage during starting of an induction motor is:

- Ans
- 1. Star starter
  - 2. Delta starter
  - 3. Star Delta starter
  - 4. Delta Star starter

Question ID : 9623407648  
Option 1 ID : 96234030591  
Option 2 ID : 96234030592  
Option 3 ID : 96234030590  
Option 4 ID : 96234030589  
Status : **Answered**  
Chosen Option : 3

Q.3  
4 What is the use of a static frequency changer in a motor?

- Ans
- 1. To achieve direction reversal
  - 2. To achieve speed regulation
  - 3. To control power factor
  - 4. To control cooling

Question ID : 9623407668  
Option 1 ID : 96234030671  
Option 2 ID : 96234030672  
Option 3 ID : 96234030669  
Option 4 ID : 96234030670  
Status : **Answered**  
Chosen Option : 2

Q.3  
5 What is the advantage of armored cable?

- Ans
- 1. It has higher insulation resistance
  - 2. It can sustain high voltage
  - 3. It can smoothly travel through gland
  - 4. It can sustain higher impact

Question ID : 9623407672  
Option 1 ID : 96234030687  
Option 2 ID : 96234030686  
Option 3 ID : 96234030688  
Option 4 ID : 96234030685  
Status : **Answered**  
Chosen Option : 1

Q.3  
6 Which one of the following is not the speed control technique of induction motor?

- Ans
- 1. frequency control

- 2. stator voltage control
- 3. stator resistance control
- 4. rotor resistance control

Question ID : 9623407679  
Option 1 ID : 96234030716  
Option 2 ID : 96234030715  
Option 3 ID : 96234030714  
Option 4 ID : 96234030713  
Status : Not Answered  
Chosen Option : --

Q.3  
7 If the nominal voltage of a given battery is 1.2 V, what is the type cell of used?

- Ans
- 1. Lithium ion
  - 2. Lead acid
  - 3. Nickel cadmium
  - 4. Zinc silver oxide

Question ID : 9623407656  
Option 1 ID : 96234030622  
Option 2 ID : 96234030624  
Option 3 ID : 96234030621  
Option 4 ID : 96234030623  
Status : Answered  
Chosen Option : 2

Q.3  
8 What is another name for Eddy Currents?

- Ans
- 1. Foucault Currents
  - 2. Faculty Currents
  - 3. Faulty Currents
  - 4. Berry Currents

Question ID : 9623407645  
Option 1 ID : 96234030579  
Option 2 ID : 96234030578  
Option 3 ID : 96234030577  
Option 4 ID : 96234030580  
Status : Not Answered  
Chosen Option : --

Q.3  
9 What is meant by line voltage?

- Ans
- 1. The voltage available between any two phases
  - 2. The voltage available between ground and neutral
  - 3. The voltage available between phase and neutral
  - 4. The voltage available between the three phases

Question ID : 9623407699

Option 1 ID : 96234030794

Option 2 ID : 96234030796

Option 3 ID : 96234030795

Option 4 ID : 96234030793

Status : Answered

Chosen Option : 1

Q.4 .The number of poles of a three phase induction motor running at 750 rpm with 50Hz frequency is

0

Ans  1. 4 2. 8 3. 6 4. 2

Question ID : 9623407647

Option 1 ID : 96234030586

Option 2 ID : 96234030587

Option 3 ID : 96234030588

Option 4 ID : 96234030585

Status : Answered

Chosen Option : 2

Q.4 The type of motor commonly used in washing machines and mixers is:

1

Ans  1. DC shunt motor 2. Reluctance motor 3. synchronous motor 4. universal motor

Question ID : 9623407658

Option 1 ID : 96234030629

Option 2 ID : 96234030632

Option 3 ID : 96234030630

Option 4 ID : 96234030631

Status : Answered

Chosen Option : 1

Q.4 Constant loss in a three phase induction motor is determined by:

2

Ans  1. Two watt meter test 2. Load test 3. Physical test 4. No load test

Question ID : 9623407678

Option 1 ID : 96234030711

Option 2 ID : 96234030710

Option 3 ID : 96234030712

Option 4 ID : 96234030709

Status : Answered

Chosen Option : 4

Q.4  
3 The current drawn by a motor is determined by the stator impedance and \_\_\_\_\_ applied across the terminals.

- Ans
- 1. force
  - 2. power
  - 3. current
  - 4. voltage

Question ID : 9623407646  
Option 1 ID : 96234030584  
Option 2 ID : 96234030582  
Option 3 ID : 96234030581  
Option 4 ID : 96234030583  
Status : Answered  
Chosen Option : 4

Q.4  
4 The flow rate of a single-phase pump can be changed by

- Ans
- 1. Changing I/P voltage
  - 2. Controlling the valve
  - 3. Reducing the pipe size
  - 4. Changing I/P frequency

Question ID : 9623407671  
Option 1 ID : 96234030681  
Option 2 ID : 96234030683  
Option 3 ID : 96234030684  
Option 4 ID : 96234030682  
Status : Answered  
Chosen Option : 1

Q.4  
5 In star delta motor, the starting current is:

- Ans  1.  
Reduced approximately by 1/3 times as compared to the original
2.  
Reduced approximately by 1/4 times as compared to the original
3.  
Increased approximately by 1/3 times as compared to the original
4.  
Increased approximately by 1/4 times as compared to the original

Question ID : 9623407696  
Option 1 ID : 96234030781  
Option 2 ID : 96234030782  
Option 3 ID : 96234030783  
Option 4 ID : 96234030784  
Status : Answered  
Chosen Option : 1

Q.4

6 Aquadag coating is most commonly used in CROs to:

- Ans
- 1. absorb moisture
  - 2. absorb the extra electrons emitted
  - 3. absorb and emit rays
  - 4. absorb rays emitted

Question ID : 9623407643  
Option 1 ID : 96234030570  
Option 2 ID : 96234030569  
Option 3 ID : 96234030572  
Option 4 ID : 96234030571  
Status : Not Answered  
Chosen Option : --

Q.4  
7 When an inductive load is connected, the power factor is:

- Ans
- 1. Unity
  - 2. Infinite
  - 3. Lagging
  - 4. Leading

Question ID : 9623407673  
Option 1 ID : 96234030691  
Option 2 ID : 96234030692  
Option 3 ID : 96234030690  
Option 4 ID : 96234030689  
Status : Answered  
Chosen Option : 3

Q.4  
8 The eddy current loss occurs in which part of the DC machine?

- Ans
- 1. Armature
  - 2. Field
  - 3. Commutator
  - 4. Brushes

Question ID : 9623407681  
Option 1 ID : 96234030721  
Option 2 ID : 96234030723  
Option 3 ID : 96234030722  
Option 4 ID : 96234030724  
Status : Answered  
Chosen Option : 1

Q.4  
9 1 HP is equivalent to how many watts?

- Ans
- 1. 743
  - 2. 746
  - 3. 745



4. 744

Question ID : 9623407675  
Option 1 ID : 96234030700  
Option 2 ID : 96234030697  
Option 3 ID : 96234030698  
Option 4 ID : 96234030699  
Status : Answered  
Chosen Option : 2

Q.5  
0 Which among these is the heating element used in a steam iron?

- Ans  1. Sealed tungsten tube  
 2. Mica press tungsten strip  
 3. Copper coil  
 4. Open tungsten coil

Question ID : 9623407669  
Option 1 ID : 96234030674  
Option 2 ID : 96234030675  
Option 3 ID : 96234030676  
Option 4 ID : 96234030673  
Status : Answered  
Chosen Option : 2

Q.5  
1 Which of the below emits nearly monochromatic light?

- Ans  1. Mercury vapor lamp  
 2. Bulb  
 3. Tubelight  
 4. Sodium vapor lamp

Question ID : 9623407685  
Option 1 ID : 96234030738  
Option 2 ID : 96234030740  
Option 3 ID : 96234030739  
Option 4 ID : 96234030737  
Status : Answered  
Chosen Option : 4

Q.5  
2 The minimum insulation resistance value for a system running at a maximum voltage of 250 V is:

- Ans  1. 1000 M $\Omega$   
 2. 25 M $\Omega$   
 3. 100 M $\Omega$   
 4. 1000 G $\Omega$

Question ID : 9623407666  
Option 1 ID : 96234030663  
Option 2 ID : 96234030661  
Option 3 ID : 96234030662

Option 4 ID : 96234030664  
 Status : Not Answered  
 Chosen Option : --

Q.5 Identify the type of lug used for connecting aluminium cable to copper bus bar from the given options.

3

- Ans
- 1. Insulated sleeve lug
  - 2. Bi-metallic cable lug
  - 3. Bi-metallic cable connector
  - 4. Copper lug

Question ID : 9623407653  
 Option 1 ID : 96234030612  
 Option 2 ID : 96234030610  
 Option 3 ID : 96234030611  
 Option 4 ID : 96234030609  
 Status : Not Answered  
 Chosen Option : --

Q.5 Which of the following is not a essential part of motor meter

4

- Ans
- 1. Operating torque system
  - 2. Revolution registering system
  - 3. Inductive pickup
  - 4. Braking system

Question ID : 9623407665  
 Option 1 ID : 96234030659  
 Option 2 ID : 96234030658  
 Option 3 ID : 96234030660  
 Option 4 ID : 96234030657  
 Status : Answered  
 Chosen Option : 2

Q.5 For household wiring and small units, the following should be used as a safety measure:

5

- Ans
- 1. MCB
  - 2. OCB
  - 3. ACB
  - 4. MCCB

Question ID : 9623407697  
 Option 1 ID : 96234030785  
 Option 2 ID : 96234030787  
 Option 3 ID : 96234030786  
 Option 4 ID : 96234030788  
 Status : Answered  
 Chosen Option : 1

Q.5 What is the insulation resistance test voltage required for an equipment running on maximum voltage of 600 V?

6

- Ans
- 1. 300 V
  - 2. 1000 V
  - 3. 500 V
  - 4. 100 V

Question ID : 9623407662  
Option 1 ID : 96234030647  
Option 2 ID : 96234030645  
Option 3 ID : 96234030646  
Option 4 ID : 96234030648  
Status : Answered  
Chosen Option : 2

Q.5  
7 Ohm's law can be applied to

- Ans
- 1. Resistor
  - 2. Rectifier
  - 3. Transformer
  - 4. Zener Diode

Question ID : 9623407636  
Option 1 ID : 96234030542  
Option 2 ID : 96234030543  
Option 3 ID : 96234030544  
Option 4 ID : 96234030541  
Status : Answered  
Chosen Option : 1

Q.5  
8 The temperature setting for a bi-metallic strip can be changed by:

- Ans
- 1. Changing the current
  - 2. Moving it close and away from a heating element
  - 3. Changing I/P voltage
  - 4. changing the frequency

Question ID : 9623407670  
Option 1 ID : 96234030680  
Option 2 ID : 96234030677  
Option 3 ID : 96234030678  
Option 4 ID : 96234030679  
Status : Answered  
Chosen Option : 1

Q.5  
9 Alternators are usually rated in

- Ans
- 1. Amperes
  - 2. Volts/sec
  - 3. watt
  - 4. Kilovolt-amperes

Question ID : 9623407634  
Option 1 ID : 96234030535  
Option 2 ID : 96234030533  
Option 3 ID : 96234030536  
Option 4 ID : 96234030534  
Status : Answered  
Chosen Option : 4

Q.6  
0 To find real power, the apparent power has to be multiplied by:

- Ans
- 1. Supply factor
  - 2. Scaling factor
  - 3. Resonance frequency
  - 4. Power factor

Question ID : 9623407677  
Option 1 ID : 96234030706  
Option 2 ID : 96234030707  
Option 3 ID : 96234030705  
Option 4 ID : 96234030708  
Status : Answered  
Chosen Option : 4

Q.6  
1 For a system with 230 VAC, 5 A current and lag of  $30^\circ$ , what's the reactive power?

- Ans
- 1. 275 VAR
  - 2. 675 VAR
  - 3. 175 VAR
  - 4. 575 VAR

Question ID : 9623407691  
Option 1 ID : 96234030762  
Option 2 ID : 96234030763  
Option 3 ID : 96234030761  
Option 4 ID : 96234030764  
Status : Answered  
Chosen Option : 4

Q.6  
2 What is the relation between line voltage and phase voltage in a delta connection?

- Ans
- 1. Line voltage =  $\sqrt{2}$  phase voltage
  - 2. Line voltage =  $\sqrt{3}$  phase voltage
  - 3. Line voltage = phase voltage
  - 4. Line voltage =  $\frac{1}{2}$  phase voltage

Question ID : 9623407700  
Option 1 ID : 96234030799  
Option 2 ID : 96234030798  
Option 3 ID : 96234030797  
Option 4 ID : 96234030800  
Status : Answered

Chosen Option : 2

Q.6  
3 What is the allowable frequency variation as per IE rule of safety?

- Ans
- 1. 10%
  - 2. 3%
  - 3. 5%
  - 4. 8%

Question ID : 9623407664  
Option 1 ID : 96234030656  
Option 2 ID : 96234030653  
Option 3 ID : 96234030654  
Option 4 ID : 96234030655

Status : Answered  
Chosen Option : 3

Q.6  
4 Majority charge carriers in n-type semiconductors are:

- Ans
- 1. electrons
  - 2. holes
  - 3. neutrons
  - 4. protons

Question ID : 9623407652  
Option 1 ID : 96234030606  
Option 2 ID : 96234030605  
Option 3 ID : 96234030607  
Option 4 ID : 96234030608

Status : Answered  
Chosen Option : 1

Q.6  
5 For a given output and speed, a universal motor as compared to 220 V, 50 Hz supply will require:

- Ans
- 1. Low voltage at low frequency
  - 2. Low voltage at high frequency
  - 3. High voltage at low frequency
  - 4. High voltage at high frequency

Question ID : 9623407659  
Option 1 ID : 96234030634  
Option 2 ID : 96234030635  
Option 3 ID : 96234030633  
Option 4 ID : 96234030636

Status : Not Answered  
Chosen Option : --

Q.6  
6 KVAR meters are used to measure the \_\_\_\_\_ component of KVA in a three-phase circuit.

- Ans
- 1. Faraday
  - 2. Lorentz

3. Biot-Savart's

4. Wattless

Question ID : 9623407676

Option 1 ID : 96234030701

Option 2 ID : 96234030702

Option 3 ID : 96234030704

Option 4 ID : 96234030703

Status : Answered

Chosen Option : 4

Q.6  
7 Which transformer (from the below) is used in a servo stabilizer?

Ans  1. Step-up transformer

2. Step-down transformer

3. Multi-tap transformer

4. Auto transformer

Question ID : 9623407627

Option 1 ID : 96234030508

Option 2 ID : 96234030506

Option 3 ID : 96234030507

Option 4 ID : 96234030505

Status : Answered

Chosen Option : 4

Q.6  
8 A voltmeter provides the path for:

Ans  1. Minimum current

2. Minimum voltage

3. Maximum voltage

4. Maximum current

Question ID : 9623407629

Option 1 ID : 96234030514

Option 2 ID : 96234030516

Option 3 ID : 96234030515

Option 4 ID : 96234030513

Status : Answered

Chosen Option : 1

Q.6  
9 Which tool is used for finishing a circular hole?

Ans  1. Chisel

2. Half round file

3. Drill

4. Flat file

Question ID : 9623407655

Option 1 ID : 96234030618

Option 2 ID : 96234030619

Option 3 ID : 96234030617  
Option 4 ID : 96234030620  
Status : Answered  
Chosen Option : 2

Q.7  
0 The starting torque of an induction motor is \_\_\_\_\_ when rotor resistance equals rotor reactance.

- Ans
- 1. Minimum
  - 2. Constant
  - 3. Maximum
  - 4. Zero

Question ID : 9623407683  
Option 1 ID : 96234030732  
Option 2 ID : 96234030731  
Option 3 ID : 96234030729  
Option 4 ID : 96234030730  
Status : Answered  
Chosen Option : 3

Q.7  
1 Soldering iron bit is made up of:

- Ans
- 1. Tin
  - 2. Steel
  - 3. Brass
  - 4. Copper

Question ID : 9623407638  
Option 1 ID : 96234030551  
Option 2 ID : 96234030552  
Option 3 ID : 96234030549  
Option 4 ID : 96234030550  
Status : Answered  
Chosen Option : 1

Q.7  
2 What is the use of extended cable of an end pole?

- Ans
- 1. Excess wire tie-up
  - 2. Preventing the pole from bending
  - 3. Earthing line
  - 4. Voltage testing

Question ID : 9623407637  
Option 1 ID : 96234030548  
Option 2 ID : 96234030547  
Option 3 ID : 96234030546  
Option 4 ID : 96234030545  
Status : Not Answered  
Chosen Option : --

Q.7  
3 The function of a trigger level knob on a CRO is:

- Ans
- 1. To change the sweep speeds of time base
  - 2. To change the length of time base
  - 3. To control the intensity of the trace
  - 4.

To change the level of input signal required to get stable display on scope of the selected channel

Question ID : 9623407657  
Option 1 ID : 96234030625  
Option 2 ID : 96234030628  
Option 3 ID : 96234030627  
Option 4 ID : 96234030626  
Status : Answered  
Chosen Option : 4

Q.7  
4 The principle of solar power is based on:

- Ans
- 1. Hydroelectric effect
  - 2. Thermoelectric effect
  - 3. Photovoltaic effect
  - 4. Fission

Question ID : 9623407682  
Option 1 ID : 96234030728  
Option 2 ID : 96234030727  
Option 3 ID : 96234030725  
Option 4 ID : 96234030726  
Status : Answered  
Chosen Option : 3

Q.7  
5 Which lamp has the best Colour Rendering Index (CRI)?

- Ans
- 1. High pressure sodium vapour lamp
  - 2. Incandescent lamp
  - 3. LED lamp
  - 4. Fluorescent lamp

Question ID : 9623407694  
Option 1 ID : 96234030776  
Option 2 ID : 96234030775  
Option 3 ID : 96234030773  
Option 4 ID : 96234030774  
Status : Answered  
Chosen Option : 3