



RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

2nd Stage CBT for ALP & TECHNICIANS (CEN-01/2018)

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	23/01/2019
Test Time:	4:30 PM - 7:00 PM
Subject:	Part A and Exam Trade : Wireman

- 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 What is the work that needs to be done to increase the speed of a 1 kg ball from 2 m/s to 4 m/s?

- Ans ☒ 1. 6 J
☒ 2. 12 J
☒ 3. 10 J
☒ 4. 8 J

Question ID : 96234010165
Option 1 ID : 96234040657
Option 2 ID : 96234040660
Option 3 ID : 96234040659
Option 4 ID : 96234040658
Status : Not Answered
Chosen Option : --

Q.2 What is the least number which when doubled is perfectly divisible by 7, 12 and 15?

- Ans ☒ 1. 215
☒ 2. 214
☒ 3. 220
☒ 4. 210

Question ID : 96234010207
Option 1 ID : 96234040827
Option 2 ID : 96234040828
Option 3 ID : 96234040826
Option 4 ID : 96234040825
Status : Not Answered
Chosen Option : --

Q.3 In an examination, the highest score and the lowest score differed by 55 and the higher one was 9/4 times the lower one. What is the lowest score?

- Ans ☒ 1. 48
☒ 2. 36
☒ 3. 44

✗ 4. 40

Question ID : 96234010212

Option 1 ID : 96234040848

Option 2 ID : 96234040845

Option 3 ID : 96234040847

Option 4 ID : 96234040846

Status : Answered

Chosen Option : 3

Q.4 Given below is a statement followed by two assumptions numbered I and II. You have to decide which of the assumptions is/are implicit in the statement.

Statement: The human body produces Vitamin D when exposed to sunlight.

Assumption I: The human body will have Vitamin D even if it is not consumed via food.

Assumption II: A large portion of the global population suffers from Vitamin D deficiency.

- Ans
- ✗ 1. Both I and II are implicit
 - ✓ 2. Only assumption I is implicit
 - ✗ 3. Only assumption II is implicit
 - ✗ 4. Neither I nor II is implicit

Question ID : 96234010249

Option 1 ID : 96234040995

Option 2 ID : 96234040993

Option 3 ID : 96234040994

Option 4 ID : 96234040996

Status : Answered

Chosen Option : 4

Q.5 Two planes E and F start flying from the same point. E flies 7 km west, then turns to its left and flies 15 km. Meanwhile F flies 11 km east and turns right and flies 15 km. Where is F with respect to E?

- Ans
- ✓ 1. F is 18 km east of E
 - ✗ 2. F is 4 km west of E
 - ✗ 3. F is 18 km west of E
 - ✗ 4. F is 4 km east of E

Question ID : 96234010248

Option 1 ID : 96234040992

Option 2 ID : 96234040991

Option 3 ID : 96234040989

Option 4 ID : 96234040990

Status : Answered

Chosen Option : 1

Q.6 Two resistors of $2\ \Omega$ and $6\ \Omega$ are connected in series and this combination is connected across a 12 V battery. Find the power supplied by the battery.

- Ans
- ✓ 1. 18 W
 - ✗ 2. 10 W
 - ✗ 3. 16 W
 - ✗ 4. 14 W

Question ID : 96234010200

Option 1 ID : 96234040800

Option 2 ID : 96234040797

Option 3 ID : 96234040799

Option 4 ID : 96234040798

Status : Answered

Chosen Option : 3

Q.7 A 200 g block of iron was heated from 30°C to 60°C How much heat was transferred to the block (specific heat of iron is $450 \text{ J kg}^{-1} \text{ K}^{-1}$)?

- Ans
- ☒ 1. 270 J
 - ☒ 2. 27 J
 - ☒ 3. 6000 J
 - ☒ 4. 2700 J

Question ID : 96234010189
Option 1 ID : 96234040754
Option 2 ID : 96234040753
Option 3 ID : 96234040756
Option 4 ID : 96234040755
Status : Not Answered
Chosen Option : --

Q.8 Select the option that is related to the third term in the same way as the second term is related to the first term.

Tall : Short :: Glad : ?

- Ans
- ☒ 1. Smile
 - ☒ 2. Sad
 - ☒ 3. Emotion
 - ☒ 4. Happy

Question ID : 96234010226
Option 1 ID : 96234040903
Option 2 ID : 96234040901
Option 3 ID : 96234040904
Option 4 ID : 96234040902
Status : Answered
Chosen Option : 4

Q.9 Which Indian cricketer received the Padma Bhushan in 2018?

- Ans
- ☒ 1. Sachin Tendulkar
 - ☒ 2. MS Dhoni
 - ☒ 3. Saurav Ganguly
 - ☒ 4. Virat Kohli

Question ID : 96234010156
Option 1 ID : 96234040623
Option 2 ID : 96234040622
Option 3 ID : 96234040624
Option 4 ID : 96234040621
Status : Answered
Chosen Option : 2

Q.10 Two resistors, one of 12Ω and the other of 24Ω are connected in parallel. This combination is connected in series with a 22Ω resistor and a 12 V battery. The current in the 12Ω resistor is _____.

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

Question ID : 96234010191
Option 1 ID : 96234040763
Option 2 ID : 96234040761

Option 3 ID : 96234040762
Option 4 ID : 96234040764
Status : Answered
Chosen Option : 1

Q.1 An object starts from rest at $x = 0$ m and moves with a constant acceleration of 1.6 m/s^2 along the x-axis. During its journey from $x = 12.8$ m to $x = 20.0$ m, its average velocity will be _____.

- Ans ☒ 1. 7.2 m/s
☒ 2. 8.8 m/s
☒ 3. 3.6 m/s
☒ 4. 2.4 m/s

Question ID : 96234010188
Option 1 ID : 96234040751
Option 2 ID : 96234040752
Option 3 ID : 96234040750
Option 4 ID : 96234040749
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.1 It is mainly due to the gravitational effect of the _____ on the rotating earth that the level of water in the sea rises and falls.

- Ans ☒ 1. Sun
☒ 2. Moon
☒ 3. Mercury
☒ 4. Venus

Question ID : 96234010163
Option 1 ID : 96234040649
Option 2 ID : 96234040652
Option 3 ID : 96234040651
Option 4 ID : 96234040650
Status : Answered
Chosen Option : 1

Q.1 A can do $\frac{2}{5}$ of a work in 10 days. B can do $\frac{1}{2}$ of the same work in 10 days. They worked together for 5 days and then A left. In how many days will B finish the remaining work?

- Ans ☒ 1. 10
☒ 2. 11
☒ 3. 9
☒ 4. 8

Question ID : 96234010224
Option 1 ID : 96234040894
Option 2 ID : 96234040893
Option 3 ID : 96234040895
Option 4 ID : 96234040896
Status : Answered
Chosen Option : 1

Q.1 Pipes A and B can fill a tank in 12 minutes and 16 minutes respectively. Both A and B are opened for 4 minutes and then A is closed. How much extra time will B take to fill the tank completely?

- Ans ☒ 1. 6 minutes
☒ 2. $\frac{20}{3}$ minutes
☒ 3. 7 minutes

✗ 4. $\frac{21}{4}$ minutes

Question ID : 96234010217

Option 1 ID : 96234040867

Option 2 ID : 96234040866

Option 3 ID : 96234040865

Option 4 ID : 96234040868

Status : Answered

Chosen Option : 2

Q.1
5 RK Narayan is famous for his book _____.

Ans ✗ 1. The Toom on the Roof

✗ 2. Two Lives

✓ 3. Malgudi Days

✗ 4. A Suitable Boy

Question ID : 96234010157

Option 1 ID : 96234040625

Option 2 ID : 96234040626

Option 3 ID : 96234040627

Option 4 ID : 96234040628

Status : Not Answered

Chosen Option : --

Q.1
6 A brass rod (thermal conductivity 109 J/s m K) has an area of cross section 0.04 m² and length 20 cm. If the two end of the rod are maintained at a temperature difference of 200°C, the rate of heat flow through the rod is _____.

Ans ✗ 1. 5.80 kJ/s

✗ 2. 2.32 kJ/s

✓ 3. 4.36 kJ/s

✗ 4. 3.42 kJ/s

Question ID : 96234010190

Option 1 ID : 96234040760

Option 2 ID : 96234040757

Option 3 ID : 96234040759

Option 4 ID : 96234040758

Status : Not Answered

Chosen Option : --

Q.1
7 If straight lines are drawn from various points on the contour of an object to meet a plane, the figure obtained on the plane is called the _____ of the object.

Ans ✗ 1. animation

✗ 2. dimensioning

✓ 3. projection

✗ 4. development

Question ID : 96234010171

Option 1 ID : 96234040682

Option 2 ID : 96234040684

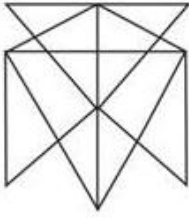
Option 3 ID : 96234040681

Option 4 ID : 96234040683

Status : Not Answered

Chosen Option : --

Q.1
8 What is the minimum number of lines required to make the given image?



- Ans ☒ 1. 11
☒ 2. 10
☒ 3. 12
☒ 4. 9

Question ID : 96234010243

Option 1 ID : 96234040971

Option 2 ID : 96234040970

Option 3 ID : 96234040972

Option 4 ID : 96234040969

Status : Answered

Chosen Option : 4

Q.1
9 The ages of X and Y are in the ratio 4 : 7. Three years earlier, the ratio of their ages was 1 : 2. What is the difference between their current ages (Y - X)?

- Ans ☒ 1. 3
☒ 2. 7.5
☒ 3. 6
☒ 4. 9

Question ID : 96234010225

Option 1 ID : 96234040897

Option 2 ID : 96234040899

Option 3 ID : 96234040898

Option 4 ID : 96234040900

Status : Answered

Chosen Option : 1

Q.2
0 An object weighs X units on the earth. If we take the same object to the moon, its weight there will be ____.

- Ans ☒ 1. more than X
☒ 2. less than X
☒ 3. zero
☒ 4. equal to X

Question ID : 96234010169

Option 1 ID : 96234040673

Option 2 ID : 96234040674

Option 3 ID : 96234040676

Option 4 ID : 96234040675

Status : Answered

Chosen Option : 2

Q.2
1 If $x = \sqrt{125} \times \sqrt{30} \times \sqrt{6}$, then x is equal to:

- Ans ☒ 1. 136
☒ 2. 175

- ✓ 3. 150
✗ 4. 125

Question ID : 96234010222
Option 1 ID : 96234040888
Option 2 ID : 96234040887
Option 3 ID : 96234040886
Option 4 ID : 96234040885
Status : Answered
Chosen Option : 3

Q.2
2 The volume of a given amount of water _____ between 0° C to 4° C.

- Ans ✗ 1. increases
✗ 2. is zero
✗ 3. remains constant
✓ 4. decreases

Question ID : 96234010166
Option 1 ID : 96234040664
Option 2 ID : 96234040663
Option 3 ID : 96234040662
Option 4 ID : 96234040661
Status : Answered
Chosen Option : 1

Q.2
3 Identify the material having low coefficient of volume expansion

- Ans ✓ 1. Iron
✗ 2. Brass
✗ 3. Aluminium
✗ 4. Mercury

Question ID : 96234010176
Option 1 ID : 96234040703
Option 2 ID : 96234040702
Option 3 ID : 96234040704
Option 4 ID : 96234040701
Status : Answered
Chosen Option : 3

Q.2
4 Name the painter of the famous painting, 'Mahishasura'.

- Ans ✗ 1. Amrita Sher-Gil
✗ 2. MF Hussain
✓ 3. Tyeb Mehta
✗ 4. Raja Ravi Verma

Question ID : 96234010154
Option 1 ID : 96234040613
Option 2 ID : 96234040615
Option 3 ID : 96234040616
Option 4 ID : 96234040614
Status : Not Answered
Chosen Option : --

5 How many medals did India win in Rio Olympics, 2016?

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

Question ID : 96234010151
Option 1 ID : 96234040601
Option 2 ID : 96234040602
Option 3 ID : 96234040604
Option 4 ID : 96234040603
Status : Answered
Chosen Option : 2

Q.2
6 Safety boots or shoes must be worn in designated areas to protect your _____ from falling objects.

- Ans
- ☒ 1. eye
 - ☒ 2. ear
 - ☒ 3. head
 - ☒ 4. feet

Question ID : 96234010180
Option 1 ID : 96234040718
Option 2 ID : 96234040717
Option 3 ID : 96234040720
Option 4 ID : 96234040719
Status : Answered
Chosen Option : 4

Q.2
7 If a body is NOT homogeneous, then its density is a function of its _____.

- Ans
- ☒ 1. position
 - ☒ 2. pressure
 - ☒ 3. velocity
 - ☒ 4. acceleration

Question ID : 96234010167
Option 1 ID : 96234040665
Option 2 ID : 96234040668
Option 3 ID : 96234040666
Option 4 ID : 96234040667
Status : Answered
Chosen Option : 2

Q.2
8 Where is the Headquarters of UNESCO located?

- Ans
- ☒ 1. Geneva
 - ☒ 2. Washington DC
 - ☒ 3. New York City
 - ☒ 4. Paris

Question ID : 96234010158
Option 1 ID : 96234040629
Option 2 ID : 96234040631
Option 3 ID : 96234040630

Option 4 ID : 96234040632
Status : Answered
Chosen Option : 1

Q.2 If, '+' represents '×', '-' represents '+', '×' represents '÷' and '÷' represents '-', then find the value of the following expression.
9 9 × 3 + 6 ÷ 2 = ?

- Ans
- ☒ 1. 12
 - ☒ 2. 16
 - ☒ 3. 10
 - ☒ 4. 20

Question ID : 96234010231
Option 1 ID : 96234040922
Option 2 ID : 96234040923
Option 3 ID : 96234040921
Option 4 ID : 96234040924
Status : Answered
Chosen Option : 2

Q.3 Given below are two statements, followed by two conclusions, I and II. You have to consider the statements to be true even if they seem 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 quadrilaterals are polygons.
Statement 2: All polygons are rhombuses.

Conclusion I: Some rhombuses are quadrilaterals.
Conclusion II: Some rhombuses are polygons.

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

Question ID : 96234010235
Option 1 ID : 96234040937
Option 2 ID : 96234040938
Option 3 ID : 96234040939
Option 4 ID : 96234040940
Status : Answered
Chosen Option : 2

Q.3 86°F is equal to _____.
1

- Ans
- ☒ 1. 10°C
 - ☒ 2. 20°C
 - ☒ 3. 30°C
 - ☒ 4. 34°C

Question ID : 96234010177
Option 1 ID : 96234040705
Option 2 ID : 96234040706
Option 3 ID : 96234040707
Option 4 ID : 96234040708
Status : Not Answered
Chosen Option : --

Q.3 A got ₹80 as his share of profit where the total profit was ₹240 and the ratio of profit distribution between A and B was x :
2 2. What is the value of x?

- Ans
- ☒ 1. 4
 - ☒ 2. 2

- ✓ 3. 1
✗ 4. 5

Question ID : 96234010219
Option 1 ID : 96234040875
Option 2 ID : 96234040874
Option 3 ID : 96234040873
Option 4 ID : 96234040876
Status : Answered
Chosen Option : 3

Q.3 _____ protection must be worn whenever noise levels exceed the noise exposure standard.

- Ans ✗ 1. Foot
✓ 2. Hearing
✗ 3. Eye
✗ 4. Head

Question ID : 96234010181
Option 1 ID : 96234040723
Option 2 ID : 96234040721
Option 3 ID : 96234040722
Option 4 ID : 96234040724
Status : Answered
Chosen Option : 2

Q.3 Kuchipudi has its roots in which Indian State?

- Ans ✗ 1. Himachal Pradesh
✓ 2. Andhra Pradesh
✗ 3. Kerala
✗ 4. Arunachal Pradesh

Question ID : 96234010160
Option 1 ID : 96234040640
Option 2 ID : 96234040638
Option 3 ID : 96234040639
Option 4 ID : 96234040637
Status : Answered
Chosen Option : 3

Q.3 Name the scientist who discovered bacteria.

- Ans ✗ 1. Eugen Goldstein
✗ 2. James Chadwick
✓ 3. AV Leeuwenhoek
✗ 4. Robert Koch

Question ID : 96234010153
Option 1 ID : 96234040611
Option 2 ID : 96234040610
Option 3 ID : 96234040612
Option 4 ID : 96234040609
Status : Answered
Chosen Option : 2

Q.3 Unscramble the letters in the words given below and find the odd word out.

- 6
- Ans
- ☒ 1. FLOW
 - ☒ 2. WCO
 - ☒ 3. ILNO
 - ☒ 4. ERTIG

Question ID : 96234010237
Option 1 ID : 96234040948
Option 2 ID : 96234040947
Option 3 ID : 96234040945
Option 4 ID : 96234040946
Status : Answered
Chosen Option : 4

- Q.3
7
- What is the unit's digit in $3^{66} \times 6^{41} \times 7^{53}$
- Ans
- ☒ 1. 3
 - ☒ 2. 8
 - ☒ 3. 6
 - ☒ 4. 7

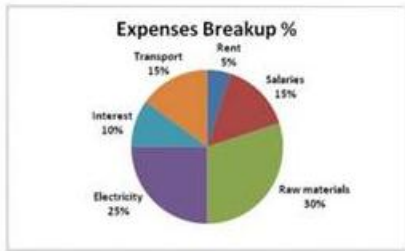
Question ID : 96234010202
Option 1 ID : 96234040808
Option 2 ID : 96234040805
Option 3 ID : 96234040807
Option 4 ID : 96234040806
Status : Answered
Chosen Option : 2

- Q.3
8
- A motorcycle travelled 1000 m at 36 km/hr. Find the time (in seconds) taken by the motorcycle to cover this distance.
- Ans
- ☒ 1. 300
 - ☒ 2. 100
 - ☒ 3. 400
 - ☒ 4. 200

Question ID : 96234010195
Option 1 ID : 96234040779
Option 2 ID : 96234040777
Option 3 ID : 96234040780
Option 4 ID : 96234040778
Status : Answered
Chosen Option : 2

- Q.3
9

The pie chart shows the breakup in percentages of the various expenses of a Company. Study the diagram and answer the following question.



What is the interest expense if total expenses are ₹25,000 approximately?

- Ans
- ☒ 1. ₹9,000
 - ☒ 2. ₹1,800
 - ☒ 3. ₹2,500
 - ☒ 4. ₹5,000

Question ID : 96234010241
Option 1 ID : 96234040963
Option 2 ID : 96234040964
Option 3 ID : 96234040961
Option 4 ID : 96234040962
Status : Answered
Chosen Option : 3

Q.4 In a code language, 295 means 'water is liquid', 549 means 'oil is liquid' and 824 means 'oil on water'. Find the code for 'on'.

- Ans
- ☒ 1. 8
 - ☒ 2. 2
 - ☒ 3. 4
 - ☒ 4. 5

Question ID : 96234010230
Option 1 ID : 96234040920
Option 2 ID : 96234040918
Option 3 ID : 96234040917
Option 4 ID : 96234040919
Status : Answered
Chosen Option : 1

Q.4 Reflection of point (-2, -6) on the Y-axis is:

- Ans
- ☒ 1. (-2, 6)
 - ☒ 2. (2, 6)
 - ☒ 3. (2, -6)
 - ☒ 4. (-6, -2)

Question ID : 96234010213
Option 1 ID : 96234040849
Option 2 ID : 96234040850
Option 3 ID : 96234040852
Option 4 ID : 96234040851
Status : Answered

Chosen Option : 3

Q.4
2 Molar specific heat capacity of a substance is _____.

Ans

✗ 1. $\mu \left(\frac{\Delta Q}{\Delta T} \right)$

✗ 2. $\left(\frac{1}{\mu} \right) \left(\frac{\Delta T}{\Delta Q} \right)$

✗ 3. $\mu \left(\frac{\Delta T}{\Delta Q} \right)$

✓ 4. $\left(\frac{1}{\mu} \right) \left(\frac{\Delta Q}{\Delta T} \right)$

Question ID : 96234010178

Option 1 ID : 96234040709

Option 2 ID : 96234040710

Option 3 ID : 96234040712

Option 4 ID : 96234040711

Status : Answered

Chosen Option : 1

Q.4
3 Velocity ratio of simple machine is the ratio of distance travelled by the _____ to the distance travelled by the _____ in the machine.

Ans

✓ 1. effort; load

✗ 2. effort; effort

✗ 3. load; load

✗ 4. load; effort

Question ID : 96234010184

Option 1 ID : 96234040733

Option 2 ID : 96234040735

Option 3 ID : 96234040736

Option 4 ID : 96234040734

Status : Answered

Chosen Option : 1

Q.4
4 A machine was bought for ₹1,500 and a repairing charge of ₹100 was paid afterwards. At what price should it be sold to gain a profit of 25%?

Ans

✓ 1. ₹2,000

✗ 2. ₹1,960

✗ 3. ₹1,920

✗ 4. ₹2,040

Question ID : 96234010205

Option 1 ID : 96234040819

Option 2 ID : 96234040818

Option 3 ID : 96234040817

Option 4 ID : 96234040820

Status : Answered

Chosen Option : 1

Q.4
5 What is 80% of 50% of 90?

Ans

✗ 1. 34

✗ 2. 32

- ✓ 3. 36
✗ 4. 30

Question ID : 96234010220
Option 1 ID : 96234040879
Option 2 ID : 96234040878
Option 3 ID : 96234040880
Option 4 ID : 96234040877
Status : Answered
Chosen Option : 3

Q.4
6 Which two signs should be interchanged to make the given equation correct?

$$9 \div 3 + 8 \times 2 - 15 = 2$$

- Ans
✗ 1. $\div$ and -
✗ 2. + and $\times$
✓ 3. + and -
✗ 4. $\times$ and -

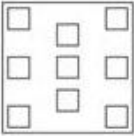
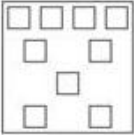
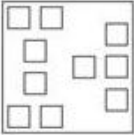
Question ID : 96234010232
Option 1 ID : 96234040927
Option 2 ID : 96234040925
Option 3 ID : 96234040926
Option 4 ID : 96234040928
Status : Answered
Chosen Option : 2

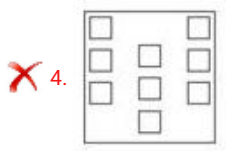
Q.4
7 The effort in a class 1 lever is in _____ direction(s).

- Ans
✗ 1. multiple
✓ 2. one
✗ 3. two
✗ 4. three

Question ID : 96234010187
Option 1 ID : 96234040745
Option 2 ID : 96234040748
Option 3 ID : 96234040746
Option 4 ID : 96234040747
Status : Not Answered
Chosen Option : --

Q.4
8 Choose the figure that is different from the rest.

- Ans
✗ 1. 
✗ 2. 
✓ 3. 



Question ID : 96234010245
Option 1 ID : 96234040978
Option 2 ID : 96234040979
Option 3 ID : 96234040980
Option 4 ID : 96234040977
Status : Answered
Chosen Option : 2

Q.4 Two resistors of 2 Ω and 6 Ω are connected in series and this combination is connected across a 12 V battery. Find the current in the 6 Ω resistor.

- Ans
- 1. 2.5 A
 - 2. 3.5 A
 - 3. 0.5 A
 - 4. 1.5 A

Question ID : 96234010199
Option 1 ID : 96234040795
Option 2 ID : 96234040796
Option 3 ID : 96234040793
Option 4 ID : 96234040794
Status : Answered
Chosen Option : 4

Q.5 Given below are some letters, that each of these letters has a corresponding number. Select the combination of numbers from the options so that the jumbled letters arranged accordingly will form a meaningful English word.

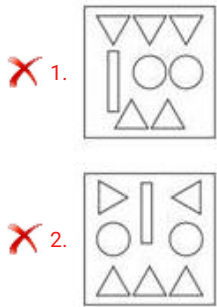
H T R U O A
1 2 3 4 5 6

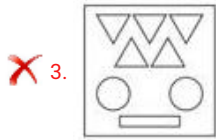
- Ans
- 1. 2,1,5,3,4,6
 - 2. 1,6,2,4,5,3
 - 3. 3,4,5,2,1,6
 - 4. 6,4,2,1,5,3

Question ID : 96234010236
Option 1 ID : 96234040942
Option 2 ID : 96234040941
Option 3 ID : 96234040943
Option 4 ID : 96234040944
Status : Answered
Chosen Option : 4

Q.5 Choose the figure that is different from the rest.

Ans





Question ID : 96234010246

Option 1 ID : 96234040984

Option 2 ID : 96234040983

Option 3 ID : 96234040981

Option 4 ID : 96234040982

Status : Answered

Chosen Option : 4

Q.5
2 What is the median of 8, 5, 7, 9, 11, 6, 10 ?

- Ans
- ✗ 1. 10
 - ✗ 2. 7
 - ✗ 3. 9
 - ✓ 4. 8

Question ID : 96234010221

Option 1 ID : 96234040884

Option 2 ID : 96234040881

Option 3 ID : 96234040883

Option 4 ID : 96234040882

Status : Answered

Chosen Option : 4

Q.5
3 A sum of ₹10,000 amounts to ₹11,449 in 2 years, when the interest is compounded annually. The interest rate percent per annum is:

- Ans
- ✗ 1. 6%
 - ✓ 2. 7%
 - ✗ 3. 1%
 - ✗ 4. 8%

Question ID : 96234010210

Option 1 ID : 96234040837

Option 2 ID : 96234040840

Option 3 ID : 96234040839

Option 4 ID : 96234040838

Status : Answered

Chosen Option : 2

Q.5
4 Which one of these is a harvest festival?

- Ans
- ✓ 1. Onam
 - ✗ 2. Deepawali
 - ✗ 3. Teej
 - ✗ 4. Janmashtami

Question ID : 96234010152

Option 1 ID : 96234040606

Option 2 ID : 96234040607

Option 3 ID : 96234040608
Option 4 ID : 96234040605
Status : Answered
Chosen Option : 1

Q.5 A car covers 400 m in 20 seconds. Find the average speed (in km/hr) of the car.

- Ans
- ☒ 1. 36
 - ☒ 2. 124
 - ☒ 3. 72
 - ☒ 4. 108

Question ID : 96234010194
Option 1 ID : 96234040773
Option 2 ID : 96234040776
Option 3 ID : 96234040774
Option 4 ID : 96234040775
Status : Answered
Chosen Option : 3

Q.5 A sum of ₹2,000 was spent in buying a pair of trousers. The sum spent was 2/5th of the total money Shashi had with her.
6 How much was the total money she had?

- Ans
- ☒ 1. ₹5,000
 - ☒ 2. ₹4,750
 - ☒ 3. ₹4,000
 - ☒ 4. ₹4,250

Question ID : 96234010206
Option 1 ID : 96234040824
Option 2 ID : 96234040823
Option 3 ID : 96234040821
Option 4 ID : 96234040822
Status : Answered
Chosen Option : 1

Q.5 Two resistors of 10 Ω and 20 Ω are connected in series and this combination is connected across a 30 V supply voltage.
7 Find the voltage across the 10 Ω resistor.

- Ans
- ☒ 1. 15 V
 - ☒ 2. 10 V
 - ☒ 3. 5 V
 - ☒ 4. 20 V

Question ID : 96234010198
Option 1 ID : 96234040792
Option 2 ID : 96234040790
Option 3 ID : 96234040789
Option 4 ID : 96234040791
Status : Answered
Chosen Option : 4

Q.5 Given below is a question, followed by two arguments, I and II. You have to decide which of the given arguments, if any, is
8 a strong argument, with respect to the question.

Question: Should advertisements be banned on television?

Argument I : Yes, advertisements are immoral.

Argument II : No, advertisements bring in revenue which helps reduce cost for viewers.

- Ans
- ☒ 1. Neither I nor II is strong.
 - ☒ 2. Only argument II is strong.

- ☒ 3. Both I and II are strong.
- ☒ 4. Only argument I is strong.

Question ID : 96234010250

Option 1 ID : 96234041000

Option 2 ID : 96234040998

Option 3 ID : 96234040999

Option 4 ID : 96234040997

Status : Answered

Chosen Option : 3

Q.5 A _____ is a theoretical exact plane, axis or point location that GD & T or dimensional tolerances are referenced to.

- Ans ☒ 1. frame
- ☒ 2. datum
- ☒ 3. flange
- ☒ 4. section

Question ID : 96234010170

Option 1 ID : 96234040680

Option 2 ID : 96234040677

Option 3 ID : 96234040679

Option 4 ID : 96234040678

Status : Not Answered

Chosen Option : --

Q.6 I, J, K and L are sitting in a row. L and I are sitting next to each other and I and K are at the ends. Who is sitting next to J?

- Ans ☒ 1. Only L
- ☒ 2. Only K
- ☒ 3. K and L
- ☒ 4. L and I

Question ID : 96234010244

Option 1 ID : 96234040974

Option 2 ID : 96234040976

Option 3 ID : 96234040975

Option 4 ID : 96234040973

Status : Answered

Chosen Option : 3

Q.6 Which of the following options does not have an SI base unit?

- Ans ☒ 1. Frequency
- ☒ 2. Luminous intensity
- ☒ 3. Electric current
- ☒ 4. Amount of substance

Question ID : 96234010161

Option 1 ID : 96234040644

Option 2 ID : 96234040642

Option 3 ID : 96234040643

Option 4 ID : 96234040641

Status : Answered

Chosen Option : 4

Q.6
2 Substances that are broken down by biological processes are said to be _____.

- Ans
- ☒ 1. reusable
 - ☒ 2. non-reusable
 - ☒ 3. biodegradable
 - ☒ 4. non-biodegradable

Question ID : 96234010164
Option 1 ID : 96234040654
Option 2 ID : 96234040656
Option 3 ID : 96234040655
Option 4 ID : 96234040653
Status : Answered
Chosen Option : 1

Q.6
3 A source of voltage V maintains a current i in a circuit. The energy supplied to the circuit by the source in time t is _____.

- Ans
- ☒ 1. Vi/t
 - ☒ 2. Vit
 - ☒ 3. V/it
 - ☒ 4. $1/Vit$

Question ID : 96234010196
Option 1 ID : 96234040783
Option 2 ID : 96234040781
Option 3 ID : 96234040782
Option 4 ID : 96234040784
Status : Answered
Chosen Option : 1

Q.6
4 Who was the first governor of the Reserve Bank of India?

- Ans
- ☒ 1. KR Puri
 - ☒ 2. HVR Iyengar
 - ☒ 3. Sir James Braid Taylor
 - ☒ 4. Sir Osborne A. Smith

Question ID : 96234010159
Option 1 ID : 96234040633
Option 2 ID : 96234040636
Option 3 ID : 96234040635
Option 4 ID : 96234040634
Status : Answered
Chosen Option : 2

Q.6
5 If the width of a standard engineering drawing sheet is 841 mm, then its length would be _____ mm.

- Ans
- ☒ 1. 1250
 - ☒ 2. 1000
 - ☒ 3. 1189
 - ☒ 4. 1216

Question ID : 96234010173
Option 1 ID : 96234040691
Option 2 ID : 96234040689
Option 3 ID : 96234040692

Option 4 ID : 96234040690
Status : Answered
Chosen Option : 3

Q.6 A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
6 OOOOOX, OOOOXX, OOOXXX, OOXXXX, ?

- Ans
- ☒ 1. OOXXXXXX
 - ☒ 2. OXXXXX
 - ☒ 3. XXXXXX
 - ☒ 4. OOXXXX

Question ID : 96234010228
Option 1 ID : 96234040910
Option 2 ID : 96234040909
Option 3 ID : 96234040911
Option 4 ID : 96234040912
Status : Answered
Chosen Option : 2

Q.6 In angular measurements, one radian is equivalent to _____ degrees (approximately).
7

- Ans
- ☒ 1. 57.27
 - ☒ 2. 65.27
 - ☒ 3. 90
 - ☒ 4. 180

Question ID : 96234010162
Option 1 ID : 96234040647
Option 2 ID : 96234040648
Option 3 ID : 96234040646
Option 4 ID : 96234040645
Status : Answered
Chosen Option : 3

Q.6 A software program that has been developed to harm other computers is called a/an _____.
8

- Ans
- ☒ 1. LAN
 - ☒ 2. operating system
 - ☒ 3. malware
 - ☒ 4. server

Question ID : 96234010182
Option 1 ID : 96234040728
Option 2 ID : 96234040726
Option 3 ID : 96234040725
Option 4 ID : 96234040727
Status : Answered
Chosen Option : 3

Q.6 A 4-digit number 1xy7 is divisible by 11. What is the value of x-y?
9

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

Question ID : 96234010201

Option 1 ID : 96234040801

Option 2 ID : 96234040803

Option 3 ID : 96234040804

Option 4 ID : 96234040802

Status : Answered

Chosen Option : 1

Q.7
0 Identify the material having high coefficient of volume expansion.

- Ans
- ☒ 1. Brass
 - ☒ 2. Water
 - ☒ 3. Glass
 - ☒ 4. Alcohol

Question ID : 96234010175

Option 1 ID : 96234040700

Option 2 ID : 96234040698

Option 3 ID : 96234040699

Option 4 ID : 96234040697

Status : Answered

Chosen Option : 4

Q.7
1 If $\sin \Theta = 15/17$, then $\cot \Theta = ?$

- Ans
- ☒ 1. $\frac{8}{17}$
 - ☒ 2. $\frac{15}{8}$
 - ☒ 3. $\frac{8}{15}$
 - ☒ 4. $\frac{17}{15}$

Question ID : 96234010216

Option 1 ID : 96234040863

Option 2 ID : 96234040861

Option 3 ID : 96234040862

Option 4 ID : 96234040864

Status : Not Answered

Chosen Option : --

Q.7
2 The Ajanta Caves in Maharashtra feature paintings and sculptures that depict _____ tales?

- Ans
- ☒ 1. Islamic
 - ☒ 2. Arabic
 - ☒ 3. Maratha
 - ☒ 4. Buddhist

Question ID : 96234010155

Option 1 ID : 96234040619

Option 2 ID : 96234040620

Option 3 ID : 96234040617

Option 4 ID : 96234040618

Status : Not Answered

Chosen Option : --

3 JPEG stands for _____.

- Ans
- ☒ 1. Joint Program Experimental Group
 - ☒ 2. Joint Photographic Experts Group
 - ☒ 3. Joint Program Experts Group
 - ☒ 4. Joint Program Executing Group

Question ID : 96234010183
Option 1 ID : 96234040731
Option 2 ID : 96234040730
Option 3 ID : 96234040729
Option 4 ID : 96234040732
Status : Answered
Chosen Option : 4

Q.7 A salesperson starts from his office and drives 2 km east, then turns north and drives 7 km, then turns to his right and drives 6 km, then turns south and drives 7 km. Where is he now with respect to his starting position?

- Ans
- ☒ 1. 8 km east
 - ☒ 2. 8 km west
 - ☒ 3. 4 km west
 - ☒ 4. 4 km east

Question ID : 96234010247
Option 1 ID : 96234040985
Option 2 ID : 96234040986
Option 3 ID : 96234040988
Option 4 ID : 96234040987
Status : Answered
Chosen Option : 3

Q.7 A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.

5 1.14, 1.28, 1.42, ?, 1.70, 1.84

- Ans
- ☒ 1. 1.54
 - ☒ 2. 1.62
 - ☒ 3. 1.56
 - ☒ 4. 1.68

Question ID : 96234010229
Option 1 ID : 96234040915
Option 2 ID : 96234040913
Option 3 ID : 96234040914
Option 4 ID : 96234040916
Status : Answered
Chosen Option : 3

Q.7 A cylindrical wire of length L and radius r has a resistance of R. The resistance of another wire of the same material but thrice its length and one-third its radius will be _____.

- Ans
- ☒ 1. 3R
 - ☒ 2. 9R
 - ☒ 3. 27R
 - ☒ 4. R

Question ID : 96234010192
Option 1 ID : 96234040767
Option 2 ID : 96234040766
Option 3 ID : 96234040765

Option 4 ID : 96234040768
Status : Answered
Chosen Option : 4

Q.7
7 The abbreviation AC in an engineering drawing stands for _____.

- Ans ☒ 1. Across Corners
☒ 2. Attached Circle
☒ 3. Air Conditioning
☒ 4. Aerial Cut

Question ID : 96234010172
Option 1 ID : 96234040685
Option 2 ID : 96234040688
Option 3 ID : 96234040686
Option 4 ID : 96234040687
Status : Answered
Chosen Option : 1

Q.7
8 If $5050 \times 0.5x = 25250$, then $2505 \div x^2 = ?$

- Ans ☒ 1. 250.5
☒ 2. 2.505
☒ 3. 25.05
☒ 4. 0.2505

Question ID : 96234010203
Option 1 ID : 96234040812
Option 2 ID : 96234040809
Option 3 ID : 96234040810
Option 4 ID : 96234040811
Status : Answered
Chosen Option : 3

Q.7
9 An airplane flies at the speed of 50 m/s. How much distance (in km) will it cover in a flight of 5 hours?

- Ans ☒ 1. 850
☒ 2. 900
☒ 3. 895
☒ 4. 880

Question ID : 96234010209
Option 1 ID : 96234040833
Option 2 ID : 96234040836
Option 3 ID : 96234040835
Option 4 ID : 96234040834
Status : Answered
Chosen Option : 2

Q.8
0 Select the option that is related to the third number in the same way as the second number is related to the first number.

-9/11 : 11/9 :: 13/2 : ?

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

Question ID : 96234010227

Option 1 ID : 96234040907

Option 2 ID : 96234040905

Option 3 ID : 96234040906

Option 4 ID : 96234040908

Status : Not Answered

Chosen Option : --

Q.8
1 If a body has a specific gravity of less than 1, then it will float in/on _____.

Ans ☒ 1. mercury

☒ 2. water

☒ 3. air

☒ 4. liquids

Question ID : 96234010168

Option 1 ID : 96234040669

Option 2 ID : 96234040671

Option 3 ID : 96234040670

Option 4 ID : 96234040672

Status : Not Answered

Chosen Option : --

Q.8
2 What is the distance between the points (4, 3) and (3, -2)?

Ans ☒ 1. 5

☒ 2. $\sqrt{24}$

☒ 3. 6

☒ 4. $\sqrt{26}$

Question ID : 96234010214

Option 1 ID : 96234040855

Option 2 ID : 96234040854

Option 3 ID : 96234040856

Option 4 ID : 96234040853

Status : Answered

Chosen Option : 3

Q.8
3 ఒక సంఖ్య 50 కంటే చాలా ఎక్కువ మరియు 84 కంటే అంతే తక్కువ. అయితే ఆ సంఖ్య ఏమిటి?

Ans ☒ 1. 65

☒ 2. 67

☒ 3. 66

☒ 4. 68

Question ID : 96234010211

Option 1 ID : 96234040841

Option 2 ID : 96234040843

Option 3 ID : 96234040842

Option 4 ID : 96234040844

Status : Answered

Chosen Option : 2

Q.8
4 ఒక వస్తువు ₹12,000లకు విక్రయించబడింది. దానిపై 15% డిస్కాంట్ ఇవ్వబడినప్పుడు, దానిపై 2% లాభం వచ్చింది. వస్తువు కొన్నవల ఎంత?

Ans ☒ 1. ₹10,200

- ✓ 2. ₹10,000
- ✗ 3. ₹10,800
- ✗ 4. ₹11,000

Question ID : 96234010204

Option 1 ID : 96234040816

Option 2 ID : 96234040814

Option 3 ID : 96234040815

Option 4 ID : 96234040813

Status : Answered

Chosen Option : 2

Q.8 5 A and B can do a work in 15 days, B and C can do the work in 20 days and A and C can do the work in 10 days. In how many days will they together complete the work?

- Ans
- ✓ 1. 9.23 days
 - ✗ 2. 10.71 days
 - ✗ 3. 10.91 days
 - ✗ 4. 10.67 days

Question ID : 96234010223

Option 1 ID : 96234040891

Option 2 ID : 96234040890

Option 3 ID : 96234040892

Option 4 ID : 96234040889

Status : Answered

Chosen Option : 1

Q.8 6 If G + H means G is daughter of H, G - H means G is sister H and G * H means G is husband of H, which of the following shows that I is the daughter of H?

- Ans
- ✗ 1. I - J * F + H
 - ✗ 2. I + J - F * H
 - ✗ 3. I * J - F + H
 - ✓ 4. I - J + F * H

Question ID : 96234010234

Option 1 ID : 96234040936

Option 2 ID : 96234040935

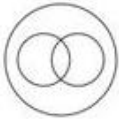
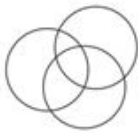
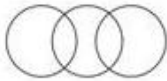
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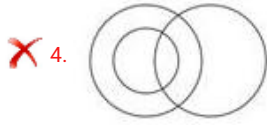
Option 4 ID : 96234040934

Status : Answered

Chosen Option : 4

Q.8 7 Which of the following Venn diagrams best represents the relationship between Indians, doctors and women?

- Ans
- ✗ 1. 
 - ✓ 2. 
 - ✗ 3. 



Question ID : 96234010239

Option 1 ID : 96234040954

Option 2 ID : 96234040955

Option 3 ID : 96234040953

Option 4 ID : 96234040956

Status : Answered

Chosen Option : 2

Q.8 What is the curved surface area of a hemisphere whose radius is 7 cm? (take $\pi = 22/7$)

- Ans
- ☒ 1. 308 cm^2
 - ☒ 2. 154 cm^2
 - ☒ 3. 924 cm^2
 - ☒ 4. 616 cm^2

Question ID : 96234010208

Option 1 ID : 96234040830

Option 2 ID : 96234040832

Option 3 ID : 96234040831

Option 4 ID : 96234040829

Status : Answered

Chosen Option : 1

Q.8 In engineering drawing, the letters LH signifies _____.

- Ans
- ☒ 1. Left Hand
 - ☒ 2. Limit of Height
 - ☒ 3. Low Heat
 - ☒ 4. Level Hide

Question ID : 96234010174

Option 1 ID : 96234040696

Option 2 ID : 96234040695

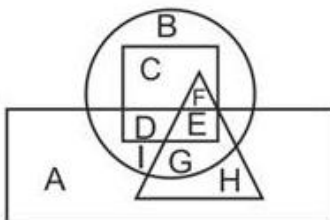
Option 3 ID : 96234040693

Option 4 ID : 96234040694

Status : Answered

Chosen Option : 2

Q.9 In the following figure, square represents Chinese, triangle represents dancers, circle represents male and rectangle represents architects. Which set of letters represents dancers who are male?



- Ans
- ☒ 1. DEIG

- ☒ 2. IGH
- ☒ 3. DEF
- ☒ 4. GEF

Question ID : 96234010238
Option 1 ID : 96234040949
Option 2 ID : 96234040952
Option 3 ID : 96234040951
Option 4 ID : 96234040950
Status : Answered
Chosen Option : 4

Q.9 If a machine overcomes a load 'L' and the distance travelled by the load is 'Ld', the work done by the load will be _____.
1

- Ans ☒ 1. $L \times Ld$
- ☒ 2. $\frac{L}{Ld}$
 - ☒ 3. $\frac{Ld}{L}$
 - ☒ 4. $\frac{1}{L \times Ld}$

Question ID : 96234010185
Option 1 ID : 96234040740
Option 2 ID : 96234040737
Option 3 ID : 96234040739
Option 4 ID : 96234040738
Status : Answered
Chosen Option : 1

Q.9 Find the odd group of letters from the given alternatives.
2

- Ans ☒ 1. PQR
- ☒ 2. HJL
 - ☒ 3. VWX
 - ☒ 4. EFG

Question ID : 96234010242
Option 1 ID : 96234040965
Option 2 ID : 96234040966
Option 3 ID : 96234040967
Option 4 ID : 96234040968
Status : Answered
Chosen Option : 2

Q.9 Tap M and N can together fill a cistern in 48/13 minutes. N alone can fill it in 6 minutes. How much time will M alone take to fill the cistern?
3

- Ans ☒ 1. 8.6 minutes
- ☒ 2. 9 minutes
 - ☒ 3. 9.6 minutes
 - ☒ 4. 9.4 minutes

Question ID : 96234010218
Option 1 ID : 96234040872
Option 2 ID : 96234040871
Option 3 ID : 96234040869
Option 4 ID : 96234040870
Status : Answered

Chosen Option : 3

Q.9
4 A body starts from rest. Its displacement is proportional to _____ when its acceleration is constant.

- Ans
- ☒ 1. work
 - ☒ 2. time squared
 - ☒ 3. velocity
 - ☒ 4. time

Question ID : 96234010193

Option 1 ID : 96234040771

Option 2 ID : 96234040769

Option 3 ID : 96234040772

Option 4 ID : 96234040770

Status : Answered

Chosen Option : 2

Q.9
5 You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question: What was the discount percent offered on the soap by the store?

Statements:

I) The store is giving 1 soap free on purchase of three.

II) ₹10 discount is offered on purchase of soap worth ₹36.

- Ans
- ☒ 1. II alone is sufficient while I alone is not sufficient
 - ☒ 2. I alone is sufficient while II alone is not sufficient
 - ☒ 3. Either I or II is sufficient
 - ☒ 4. Neither I nor II is sufficient

Question ID : 96234010240

Option 1 ID : 96234040958

Option 2 ID : 96234040957

Option 3 ID : 96234040959

Option 4 ID : 96234040960

Status : Answered

Chosen Option : 3

Q.9
6 ಪೊಡವು L ಮರಿಯು ವ್ಯಾಸಾರ್ಥಂ r ಗಲ ಒಕ ತಿಗ ನಿರ್ದಂ R. ದಾನಿ ಪೊಡವುಲೆ ಸಗಂ ಮರಿಯು ವ್ಯಾಸಾರ್ಥಂ ಸಗಂ ಒನ್ನ ಅದೆ ಪದಾರ್ಥಂ ಗಲ ಒಕ ತಿಗ ಯುಕ್ತ ನಿರ್ದಂ _____ ಒಂಟುಂದಿ.

- Ans
- ☒ 1. 4R
 - ☒ 2. R
 - ☒ 3. R/2
 - ☒ 4. 2R

Question ID : 96234010197

Option 1 ID : 96234040788

Option 2 ID : 96234040786

Option 3 ID : 96234040785

Option 4 ID : 96234040787

Status : Answered

Chosen Option : 3

Q.9
7 Greater the value of _____ of a material, the more rapidly it will conduct heat.

- Ans
- ☒ 1. latent heat
 - ☒ 2. melting point
 - ☒ 3. thermal conductivity

☒ 4. regelation

Question ID : 96234010179

Option 1 ID : 96234040715

Option 2 ID : 96234040713

Option 3 ID : 96234040714

Option 4 ID : 96234040716

Status : Answered

Chosen Option : 2

Q.9 The effort applied to move a load is 15 units and the machine advantage is observed to be 3. Find the load.

8

Ans ☒ 1. 3 units

☒ 2. 5 units

☒ 3. 15 units

☒ 4. 45 units

Question ID : 96234010186

Option 1 ID : 96234040744

Option 2 ID : 96234040742

Option 3 ID : 96234040743

Option 4 ID : 96234040741

Status : Answered

Chosen Option : 4

Q.9 If C \$ D means C is daughter of D, C & D means C is mother of D and C % D means C is son of D, then what does W \$ X & Y % Z mean?

9

Ans ☒ 1. Z is father of W

☒ 2. Z is wife of W

☒ 3. Z is mother of W

☒ 4. Z is daughter of W

Question ID : 96234010233

Option 1 ID : 96234040930

Option 2 ID : 96234040929

Option 3 ID : 96234040931

Option 4 ID : 96234040932

Status : Answered

Chosen Option : 1

Q.1 $\sec 45^\circ - \tan 60^\circ = ?$

00

Ans ☒ 1. $\frac{\sqrt{3}}{2}$

☒ 2. $\sqrt{3} + \sqrt{2}$

☒ 3. $-\sqrt{3} + \sqrt{2}$

☒ 4. $-\sqrt{3} - \sqrt{2}$

Question ID : 96234010215

Option 1 ID : 96234040859

Option 2 ID : 96234040857

Option 3 ID : 96234040858

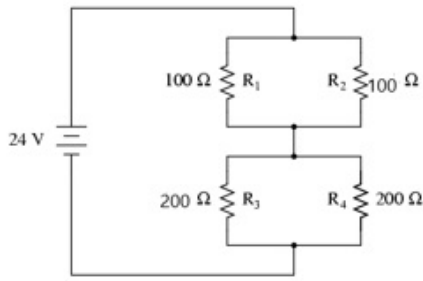
Option 4 ID : 96234040860

Status : Answered

Chosen Option : 3

Section : Wireman

Q.1 What is the amount of current is flowing through the resistor R1?



- Ans
- ☒ 1. 0.8 A
 - ☒ 2. 80 mA
 - ☒ 3. 160 mA
 - ☒ 4. 10 mA

Question ID : 96234010251

Option 1 ID : 96234041004

Option 2 ID : 96234041002

Option 3 ID : 96234041003

Option 4 ID : 96234041001

Status : Not Answered

Chosen Option : --

Q.2 Which of the following insulating materials has the lowest dielectric losses?

- Ans
- ☒ 1. EPR
 - ☒ 2. PE (Polyethylene)
 - ☒ 3. XLPE
 - ☒ 4. PVC

Question ID : 96234010264

Option 1 ID : 96234041056

Option 2 ID : 96234041053

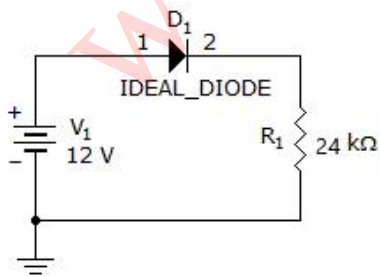
Option 3 ID : 96234041055

Option 4 ID : 96234041054

Status : Answered

Chosen Option : 3

Q.3



What current is flowing through the diode?

- Ans
- ☒ 1. 0.5 mA
 - ☒ 2. 5 mA
 - ☒ 3. 2 mA
 - ☒ 4. 0.5 A

Question ID : 96234010316

Option 1 ID : 96234041263

Option 2 ID : 96234041262

Option 3 ID : 96234041261

Option 4 ID : 96234041264

Status : Answered

Chosen Option : 4

Q.4 Which among the following DC generators produces constant output voltage at all loads?

- Ans
- ☒ 1. Shunt generator
 - ☒ 2. Short shunt compound generator
 - ☒ 3. Level compound generator
 - ☒ 4. Series generator

Question ID : 96234010325

Option 1 ID : 96234041299

Option 2 ID : 96234041297

Option 3 ID : 96234041300

Option 4 ID : 96234041298

Status : Answered

Chosen Option : 1

Q.5 Which of the following components is used for collecting current from the commutator and supply it to the external load?

- Ans
- ☒ 1. Armature
 - ☒ 2. Magnet
 - ☒ 3. Yoke
 - ☒ 4. Brushes

Question ID : 96234010321

Option 1 ID : 96234041283

Option 2 ID : 96234041284

Option 3 ID : 96234041282

Option 4 ID : 96234041281

Status : Answered

Chosen Option : 4

Q.6 In ideal case, what should be the charging current for a 100 Ah battery?

- Ans
- ☒ 1. 10 A
 - ☒ 2. 20 A
 - ☒ 3. 8 A
 - ☒ 4. 5 A

Question ID : 96234010311

Option 1 ID : 96234041241

Option 2 ID : 96234041243

Option 3 ID : 96234041244

Option 4 ID : 96234041242

Status : Not Answered

Chosen Option : --

Q.7 Average resistance of human body is approximately:

- Ans
- ☒ 1. 500 Ω
 - ☒ 2. 2000 Ω

- ✓ 3. 1000 Ω
✗ 4. 3000 Ω

Question ID : 96234010313
Option 1 ID : 96234041249
Option 2 ID : 96234041250
Option 3 ID : 96234041251
Option 4 ID : 96234041252
Status : Answered
Chosen Option : 3

Q.8 Which of the following has a NEGATIVE temperature coefficient of resistance?

- Ans ✓ 1. Graphite
✗ 2. Aluminum
✗ 3. Iron
✗ 4. Copper

Question ID : 96234010290
Option 1 ID : 96234041158
Option 2 ID : 96234041159
Option 3 ID : 96234041157
Option 4 ID : 96234041160
Status : Answered
Chosen Option : 1

Q.9 Three bulbs of 40 W, 60 W & 100 W are connected in series across 220 V AC source. Which bulb will glow brighter?

- Ans ✗ 1. 100 W bulb
✗ 2. 60 W bulb
✓ 3. 40 W bulb
✗ 4. All bulbs will be equally bright

Question ID : 96234010253
Option 1 ID : 96234041010
Option 2 ID : 96234041012
Option 3 ID : 96234041011
Option 4 ID : 96234041009
Status : Answered
Chosen Option : 3

Q.1₀ In which of the following regions of a cable, voltage stress is maximum?

- Ans ✗ 1. Insulator
✗ 2. Sheath
✗ 3. Surface of the conductor
✓ 4. Core of the conductor

Question ID : 96234010299
Option 1 ID : 96234041195
Option 2 ID : 96234041196
Option 3 ID : 96234041193
Option 4 ID : 96234041194
Status : Answered
Chosen Option : 4

Q.1₁ Which of the following is a Pentavalent element used for doping of semi-conductors?

- Ans
- ☒ 1. Aluminum
 - ☒ 2. Antimony
 - ☒ 3. Indium
 - ☒ 4. Boron

Question ID : 96234010261
Option 1 ID : 96234041042
Option 2 ID : 96234041044
Option 3 ID : 96234041043
Option 4 ID : 96234041041
Status : Not Answered
Chosen Option : --

Q.1 ఈ కిందివాటిలో ఏ వాహకనాళం (కండక్టర్) వాణిజ్య మరియు పరిశ్రామిక వైరింగ్ లో సాధారణంగా ఉపయోగించబడుతోంది?

- Ans
- ☒ 1. సీమ్ వెల్డెడ్ కండక్టర్
 - ☒ 2. 
 - ☒ 3. అనువైన కండక్టర్
 - ☒ 4. 

Question ID : 96234010281
Option 1 ID : 96234041122
Option 2 ID : 96234041123
Option 3 ID : 96234041124
Option 4 ID : 96234041121
Status : Answered
Chosen Option : 3

Q.1 Why is the depletion region in Zener diodes narrower than a regular diode?

- Ans
- ☒ 1.
Because the doping of P & N regions in Zener diode is lighter than in a regular diode.
 - ☒ 2.
Because of the Heavy doping of P & N regions in Zener diode than in regular diode.
 - ☒ 3. Because Zener diodes are made of different semiconductor.
 - ☒ 4.
Because P region is heavily doped while N region is lightly doped.

Question ID : 96234010318
Option 1 ID : 96234041270
Option 2 ID : 96234041269
Option 3 ID : 96234041271
Option 4 ID : 96234041272
Status : Not Answered
Chosen Option : --

Q.1 The peak output voltage of a transformer will NOT depend on:

- Ans
- ☒ 1. supply voltage
 - ☒ 2. number of turns in the secondary coil
 - ☒ 3. number of turns in the primary coil
 - ☒ 4. frequency of the supply voltage

Question ID : 96234010272

Option 1 ID : 96234041085

Option 2 ID : 96234041088

Option 3 ID : 96234041087

Option 4 ID : 96234041086

Status : Answered

Chosen Option : 2

Q.1
5 How is the condition of an earth electrode verified?

- Ans
- ☒ 1. By Measuring power
 - ☒ 2. By measuring resistance
 - ☒ 3. By Measuring Voltage
 - ☒ 4. By measuring current

Question ID : 96234010314

Option 1 ID : 96234041255

Option 2 ID : 96234041254

Option 3 ID : 96234041256

Option 4 ID : 96234041253

Status : Answered

Chosen Option : 2

Q.1
6 How many P-N junction diode(s) is/are required for a full wave rectifier circuit?

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

Question ID : 96234010258

Option 1 ID : 96234041029

Option 2 ID : 96234041030

Option 3 ID : 96234041031

Option 4 ID : 96234041032

Status : Answered

Chosen Option : 3

Q.1
7 V-I curve of an ohmic component will be a/an:

- Ans
- ☒ 1. elliptical
 - ☒ 2. parabolic
 - ☒ 3. straight line
 - ☒ 4. non-linear

Question ID : 96234010293

Option 1 ID : 96234041170

Option 2 ID : 96234041171

Option 3 ID : 96234041169

Option 4 ID : 96234041172

Status : Not Answered

Chosen Option : --

Q.1
8 If a reverse biased Zener diode is operating in breakdown region, then the voltage across Zener diode:

- Ans
- ☒ 1. will remain same irrespective of the current through the circuit

- ☒ 2. is directly proportional to the source voltage
- ☒ 3. is directly proportional to the current
- ☒ 4. is inversely proportional to the current

Question ID : 96234010317
Option 1 ID : 96234041267
Option 2 ID : 96234041266
Option 3 ID : 96234041265
Option 4 ID : 96234041268
Status : Not Answered
Chosen Option : --

Q.1
9 Increase in the plate area of a cell will:

- Ans ☒ 1. have the same impact as increasing the gap between the plates
- ☒ 2. decrease the internal resistance
 - ☒ 3. not impact internal resistance
 - ☒ 4. increase the internal resistance

Question ID : 96234010308
Option 1 ID : 96234041232
Option 2 ID : 96234041230
Option 3 ID : 96234041231
Option 4 ID : 96234041229
Status : Answered
Chosen Option : 4

Q.2
0 Two resistors of $5\ \Omega$ each are connected in series and being powered by a 12 V battery. What is the current flowing through the circuit?

- Ans ☒ 1. 2.4 A
- ☒ 2. 1 A
 - ☒ 3. 2 A
 - ☒ 4. 1.2 A

Question ID : 96234010292
Option 1 ID : 96234041165
Option 2 ID : 96234041166
Option 3 ID : 96234041167
Option 4 ID : 96234041168
Status : Answered
Chosen Option : 4

Q.2
1 First generation computers had which of the following?

- Ans ☒ 1. Magnetic tapes
- ☒ 2. Transistors
 - ☒ 3. ICs
 - ☒ 4. Vaccum tubes & Magnetic drum

Question ID : 96234010283
Option 1 ID : 96234041129
Option 2 ID : 96234041130
Option 3 ID : 96234041132
Option 4 ID : 96234041131
Status : Answered

Chosen Option : 2

Q.2 A 6 pole 3 ϕ induction motor is operating at a speed of 950 rpm on 550 V, 50 Hz mains. What is the slip?

2

Ans

- ☒ 1. 5%
- ☐ 2. 2%
- ☐ 3. 4%
- ☐ 4. Can't be determined

Question ID : 96234010287

Option 1 ID : 96234041146

Option 2 ID : 96234041145

Option 3 ID : 96234041147

Option 4 ID : 96234041148

Status : Answered

Chosen Option : 1

Q.2 Parallel grouping of cells is done to:

3

Ans

- ☒ 1. increase the current capacity
- ☐ 2. increase the internal resistance
- ☐ 3. decrease the output voltage
- ☐ 4. increase the output voltage

Question ID : 96234010310

Option 1 ID : 96234041238

Option 2 ID : 96234041239

Option 3 ID : 96234041240

Option 4 ID : 96234041237

Status : Answered

Chosen Option : 4

Q.2 Which of the following is NOT an alternate term for Hopkinson's test?

4

Ans

- ☐ 1. Heat run test
- ☐ 2. Back to back test
- ☐ 3. Regenerative test
- ☒ 4. Brake test

Question ID : 96234010270

Option 1 ID : 96234041080

Option 2 ID : 96234041078

Option 3 ID : 96234041077

Option 4 ID : 96234041079

Status : Answered

Chosen Option : 1

Q.2 If six 12 V cells are connected in parallel, then the output voltage will be:

5

Ans

- ☐ 1. 6 V
- ☐ 2. 72 V
- ☒ 3. 12 V
- ☐ 4. 2 V

Question ID : 96234010305

Option 1 ID : 96234041217

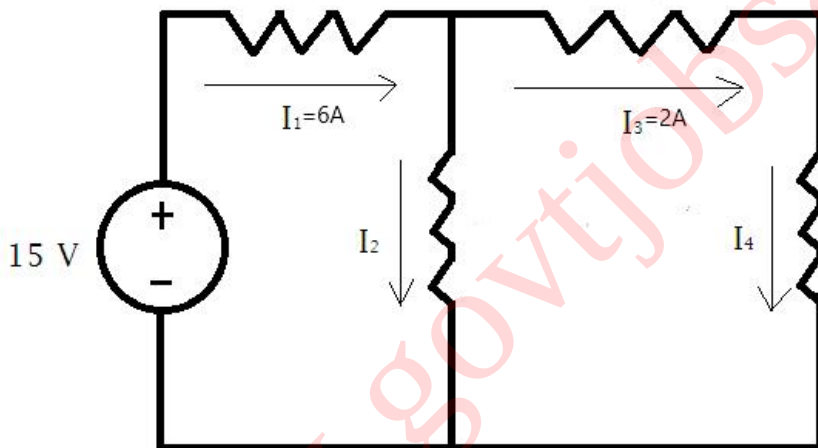
Option 2 ID : 96234041218
 Option 3 ID : 96234041220
 Option 4 ID : 96234041219
 Status : Answered
 Chosen Option : 2

Q.2
 6 What is the color of neutral in three core flexible cables?

- Ans
- ☒ 1. Brown
 - ☒ 2. Black
 - ☒ 3. Blue
 - ☒ 4. Red

Question ID : 96234010301
 Option 1 ID : 96234041202
 Option 2 ID : 96234041204
 Option 3 ID : 96234041201
 Option 4 ID : 96234041203
 Status : Answered
 Chosen Option : 3

Q.2
 7 What should be the value of I_2 flowing in the following circuit?



- Ans
- ☒ 1. 6 A
 - ☒ 2. 2 A
 - ☒ 3. 4 A
 - ☒ 4. 8 A

Question ID : 96234010291
 Option 1 ID : 96234041162
 Option 2 ID : 96234041163
 Option 3 ID : 96234041161
 Option 4 ID : 96234041164
 Status : Answered
 Chosen Option : 3

Q.2
 8 Which of the following is used in transformer protection system?

- Ans
- ☒ 1. Buchholz Relay
 - ☒ 2. Pressure Switches
 - ☒ 3. MHO relay
 - ☒ 4. Merz price protection

Question ID : 96234010275

Option 1 ID : 96234041097

Option 2 ID : 96234041098

Option 3 ID : 96234041100

Option 4 ID : 96234041099

Status : Answered

Chosen Option : 1

Q.2
9 Which electrolyte is used in Lead-Acid cells?

Ans ☒ 1. Concentrated H_2SO_4

☒ 2. Diluted H_2SO_4

☒ 3. NaOH

☒ 4. Any Alkali

Question ID : 96234010307

Option 1 ID : 96234041225

Option 2 ID : 96234041227

Option 3 ID : 96234041226

Option 4 ID : 96234041228

Status : Answered

Chosen Option : 4

Q.3
0 Which of the following is the ideal value of earthing resistance used for large power stations?

Ans ☒ 1. 1Ω

☒ 2. 0.5Ω

☒ 3. 5Ω

☒ 4. 10Ω

Question ID : 96234010255

Option 1 ID : 96234041020

Option 2 ID : 96234041017

Option 3 ID : 96234041018

Option 4 ID : 96234041019

Status : Answered

Chosen Option : 2

Q.3
1 క్రిందివాటిలో ఏది ఎర్టింగ్ వ్యవస్థ యొక్క భాగం కాదు?

Ans ☒ 1. ఎర్టింగ్ లీడ్

☒ 2. ఎర్త్ కంటిన్యూటీ కండక్టర్ (వాహకం)

☒ 3. ఎర్త్ ఎలక్ట్రోడ్

☒ 4. ఫ్యూజ్

Question ID : 96234010256

Option 1 ID : 96234041023

Option 2 ID : 96234041021

Option 3 ID : 96234041024

Option 4 ID : 96234041022

Status : Answered

Chosen Option : 4

Q.3
2 Lathe Machines commonly use _____ motor.

- Ans ☒ 1. DC shunt
☒ 2. slip ring induction
☒ 3. cumulative compound
☒ 4. DC series

Question ID : 96234010267
Option 1 ID : 96234041068
Option 2 ID : 96234041067
Option 3 ID : 96234041066
Option 4 ID : 96234041065
Status : Answered
Chosen Option : 1

Q.3 What impact will the moisture content have on the earth soil resistance?

- Ans ☒ 1. No Impact
☒ 2. Soil resistance will decrease
☒ 3. Soil resistance will Increase
☒ 4. Depends on the type of soil

Question ID : 96234010312
Option 1 ID : 96234041246
Option 2 ID : 96234041247
Option 3 ID : 96234041245
Option 4 ID : 96234041248
Status : Answered
Chosen Option : 3

Q.3 5 m మరియు 8 m దీర్ఘచతురస్రాకార హాల్లో 50 లక్ష్మకు కావలసిన కాంతిమట్టత పొందడానికి ఎన్ని 200 ల్యూమెన్ దీపాలు
4 అవసరమవుతాయి?

- Ans ☒ 1. 10
☒ 2. 4
☒ 3. 40
☒ 4. 160

Question ID : 96234010280
Option 1 ID : 96234041118
Option 2 ID : 96234041117
Option 3 ID : 96234041120
Option 4 ID : 96234041119
Status : Answered
Chosen Option : 3

Q.3 The value of electric field E at a point in Electric field of a point charge can be calculated using:

- Ans ☒ 1. Kirchhoff's Law
☒ 2. Coulomb's Law
☒ 3. Lenz's Law
☒ 4. Ohm's Law

Question ID : 96234010298
Option 1 ID : 96234041190
Option 2 ID : 96234041191
Option 3 ID : 96234041192
Option 4 ID : 96234041189
Status : Answered

Chosen Option : 2

Q.3 Direct Online Starters are generally used with motors of:

- Ans
- ☒ 1. any Capacity
 - ☒ 2. less than 5 hp
 - ☒ 3. more than 10 hp but less than 50 hp
 - ☒ 4. more than 10 hp

Question ID : 96234010271
Option 1 ID : 96234041083
Option 2 ID : 96234041082
Option 3 ID : 96234041084
Option 4 ID : 96234041081
Status : Answered
Chosen Option : 2

Q.3 అమ్మీటర్ & వోల్ట్మీటర్కు సంబంధించి ఈ క్రిందివాటిలో ఏది నిజమైనది కాదు?

- Ans
- ☒ 1. అమ్మీటర్ అధిక నిరోధం కలిగిఉంటుంది మరియు వోల్ట్మీటర్ తక్కువ నిరోధం కలిగిఉంటుంది
 - ☒ 2. అమ్మీటర్ శ్రేణిలో కలుపబడుతుంది మరియు వోల్ట్మీటర్ సమాంతరంగా కలుపబడుతుంది
 - ☒ 3. సర్క్యూట్కు అమ్మీటర్ కలుపుటకు సర్క్యూట్ను విచ్ఛిన్నం చేయవలసి ఉంటుంది.
 - ☒ 4. సర్క్యూట్ను వేరుచేయకుండానే వోల్ట్మీటర్ను కలుపవచ్చు

Question ID : 96234010276
Option 1 ID : 96234041102
Option 2 ID : 96234041101
Option 3 ID : 96234041104
Option 4 ID : 96234041103
Status : Answered
Chosen Option : 4

Q.3 Which of the following devices is used for measuring the speed of DC machines?

- Ans
- ☒ 1. Tachometer
 - ☒ 2. LCR Meter
 - ☒ 3. Rheostat
 - ☒ 4. Ammeter

Question ID : 96234010269
Option 1 ID : 96234041076
Option 2 ID : 96234041075
Option 3 ID : 96234041074
Option 4 ID : 96234041073
Status : Answered
Chosen Option : 1

Q.3 Read the statement given below and answer the question.

Statement: The mass of the substance (m) deposited or liberated at any electrode is directly proportional to the quantity of electricity or charge (Q) passed.
Question: The above statement is associated with which of the following laws?

Ans

- ☒ 1. Ohm's Law
- ☒ 2. Faraday's Law Of Electrolysis
- ☒ 3. Kirchhoff's Current Law
- ☒ 4. Faraday's Law Of Electromagnetic Induction

Question ID : 96234010304

Option 1 ID : 96234041216

Option 2 ID : 96234041215

Option 3 ID : 96234041214

Option 4 ID : 96234041213

Status : Answered

Chosen Option : 2

Q.4 ఆల్టర్నేటర్ యొక్క సమాంతర క్రియ కోసం క్రింది పరిస్థితుల్లో ఏది అవసరం లేదు?

Ans ☒ 1.

ఇన్కమింగ్ మెషిన్ యొక్క దశ క్రమం మరియు బస్ బార్ వోల్టేజీలు సారూప్యంగా ఉండాలి

☒ 2.

రన్నింగ్ మెషిన్ యొక్క టర్మినల్ వోల్టేజీ ఇన్కమింగ్ మెషిన్కు రెట్టింపుగా ఉండాలి

☒ 3.

రెండు టర్మినల్ వోల్టేజీల పోనపున్యం దాదాపుగా సమానంగా ఉండాలి

☒ 4. రెండు సిస్టంల యొక్క ఫీజ్ యాంగిల్ సమానంగా ఉండాలి

Question ID : 96234010284

Option 1 ID : 96234041133

Option 2 ID : 96234041134

Option 3 ID : 96234041136

Option 4 ID : 96234041135

Status : Not Answered

Chosen Option : --

Q.4 Which of the following is true for specific resistance of soil?

Ans ☒ 1. Varies from soil to soil

☒ 2. Is constant and doesn't depend on the soil

☒ 3. Depends on the circuit connected

☒ 4. Depends on supply voltage

Question ID : 96234010315

Option 1 ID : 96234041257

Option 2 ID : 96234041258

Option 3 ID : 96234041259

Option 4 ID : 96234041260

Status : Answered

Chosen Option : 1

Q.4 A 220 V dc motor having an armature resistance of 0.8 ohm draws an armature current of 25 A. What will be the value of back emf induced?

Ans ☒ 1. 240 V

☒ 2. 220 V

☒ 3. 200 V

☒ 4. 208 V

Question ID : 96234010324

Option 1 ID : 96234041294

Option 2 ID : 96234041296

Option 3 ID : 96234041295

Option 4 ID : 96234041293

Status : Answered

Chosen Option : 1

Q.4
3 How many wattmeter elements are needed at minimum to measure the power of a 3-phase circuit?

Ans ☒ 1. 2

☐ 2. 1

☐ 3. 4

☐ 4. 3

Question ID : 96234010277

Option 1 ID : 96234041108

Option 2 ID : 96234041105

Option 3 ID : 96234041107

Option 4 ID : 96234041106

Status : Answered

Chosen Option : 1

Q.4
4 Intensity of light is measured in:

Ans ☐ 1. Gauss

☐ 2. Weber

☒ 3. Candela

☐ 4. Lumen

Question ID : 96234010279

Option 1 ID : 96234041114

Option 2 ID : 96234041115

Option 3 ID : 96234041113

Option 4 ID : 96234041116

Status : Answered

Chosen Option : 4

Q.4
5 Which of the following is true w.r.t. the primary coil of a transformer in OC & SC tests?

Ans ☒ 1.

Low voltage side for O.C. test & high voltage side for S.C. test

☐ 2. Low Voltage side for both O.C. & S.C. tests

☐ 3.

High voltage side for O.C. test & low voltage side for S.C. test

☐ 4. High Voltage side for both O.C. & S.C. tests

Question ID : 96234010274

Option 1 ID : 96234041093

Option 2 ID : 96234041095

Option 3 ID : 96234041094

Option 4 ID : 96234041096

Status : Answered

Chosen Option : 3

Q.4
6 Which of the following factors determines the thickness of the insulation layer in cables?

Ans ☐ 1. Current Capacity

- ☒ 2. Power rating
- ☒ 3. Operating Voltage
- ☒ 4. Permeability

Question ID : 96234010302
Option 1 ID : 96234041205
Option 2 ID : 96234041207
Option 3 ID : 96234041206
Option 4 ID : 96234041208
Status : Answered
Chosen Option : 1

Q.4
7 The shaft torque of a DC motor is:

- Ans
- ☒ 1. more than its armature torque
 - ☒ 2. same as its armature torque
 - ☒ 3. less than its armature torque
 - ☒ 4.

either less or more than the armature torque depending on the size and make of the motor

Question ID : 96234010323
Option 1 ID : 96234041291
Option 2 ID : 96234041289
Option 3 ID : 96234041290
Option 4 ID : 96234041292
Status : Answered
Chosen Option : 1

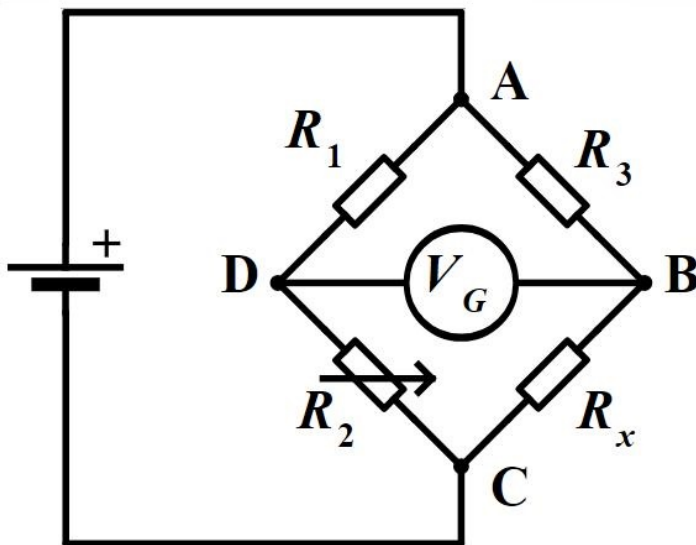
Q.4
8 Watt-hour efficiency of a cell _____ Ampere-hour efficiency.

- Ans
- ☒ 1. is always less than
 - ☒ 2. is always more than
 - ☒ 3. is always equal to
 - ☒ 4. can be less or more than

Question ID : 96234010288
Option 1 ID : 96234041151
Option 2 ID : 96234041150
Option 3 ID : 96234041149
Option 4 ID : 96234041152
Status : Not Answered
Chosen Option : --

Q.4
9

Which of the expressions is true for the balanced condition of the following wheatstone bridge?



- Ans
- ☒ 1. $R_X = (R_3 + R_1) / R_2$
 - ☒ 2. $R_X / R_3 = R_2 / R_1$
 - ☒ 3. $R_X = R_2 / (R_3 / R_1)$
 - ☒ 4. $R_X / R_1 = R_2 / R_3$

Question ID : 96234010294

Option 1 ID : 96234041176

Option 2 ID : 96234041174

Option 3 ID : 96234041175

Option 4 ID : 96234041173

Status : Answered

Chosen Option : 2

Q.5
0 Which of the following is a characteristic of an earth electrode?

- Ans
- ☒ 1. Low conductance
 - ☒ 2. Low resistance
 - ☒ 3. Infinite resistance
 - ☒ 4. High resistance

Question ID : 96234010254

Option 1 ID : 96234041016

Option 2 ID : 96234041014

Option 3 ID : 96234041015

Option 4 ID : 96234041013

Status : Answered

Chosen Option : 2

Q.5
1 Which of the following principles is KVL based on?

- Ans
- ☒ 1. conservation of momentum
 - ☒ 2. conservation of energy
 - ☒ 3. conservation of mass
 - ☒ 4. conservation of charge

Question ID : 96234010297

Option 1 ID : 96234041187

Option 2 ID : 96234041185

Option 3 ID : 96234041186
Option 4 ID : 96234041188
Status : Answered
Chosen Option : 1

Q.5
2 Which of the following wiring systems has the longest life span?

- Ans ☒ 1. Conduit Wiring
☒ 2. Batten Wiring
☒ 3. Cleat Wiring
☒ 4. Casing and Capping Wiring

Question ID : 96234010263
Option 1 ID : 96234041050
Option 2 ID : 96234041051
Option 3 ID : 96234041049
Option 4 ID : 96234041052
Status : Answered
Chosen Option : 4

Q.5
3 Which of the following is a trivalent doping element?

- Ans ☒ 1. Arsenic
☒ 2. Antimony
☒ 3. Boron
☒ 4. Phosphorous

Question ID : 96234010320
Option 1 ID : 96234041277
Option 2 ID : 96234041278
Option 3 ID : 96234041280
Option 4 ID : 96234041279
Status : Not Answered
Chosen Option : --

Q.5
4 IE Rule 67 stands for:

- Ans ☒ 1. test for resistance of insulation
☒ 2. joints
☒ 3. connection with earth
☒ 4. condensers

Question ID : 96234010266
Option 1 ID : 96234041063
Option 2 ID : 96234041062
Option 3 ID : 96234041061
Option 4 ID : 96234041064
Status : Not Answered
Chosen Option : --

Q.5
5 If a 3-phase 100 Hz induction motor has a slip of 4%, then what will be the frequency of motor induced emf?

- Ans ☒ 1. 50 Hz
☒ 2. 8 Hz
☒ 3. 100 Hz

✓ 4. 4 Hz

Question ID : 96234010286

Option 1 ID : 96234041141

Option 2 ID : 96234041142

Option 3 ID : 96234041144

Option 4 ID : 96234041143

Status : Answered

Chosen Option : 3

Q.5 Which of the following motors is typically found on low horsepower applications?

6

Ans ✓ 1. Permanent magnet DC motors

✗ 2. Shunt DC motors

✗ 3. Compound DC motors

✗ 4. Series DC motors

Question ID : 96234010268

Option 1 ID : 96234041070

Option 2 ID : 96234041071

Option 3 ID : 96234041072

Option 4 ID : 96234041069

Status : Answered

Chosen Option : 1

Q.5 Which of the following components is present in a DC machine but NOT in AC machine?

7

Ans ✗ 1. Winding

✓ 2. Commutator

✗ 3. Stator

✗ 4. Shaft

Question ID : 96234010322

Option 1 ID : 96234041288

Option 2 ID : 96234041287

Option 3 ID : 96234041286

Option 4 ID : 96234041285

Status : Answered

Chosen Option : 2

Q.5 Which of the following core types is suitable for high frequency transformers used in radio transmission?

8

Ans ✗ 1. Copper core

✗ 2. Carbonyl Iron core

✓ 3. Air core

✗ 4. Soft Iron core

Question ID : 96234010273

Option 1 ID : 96234041091

Option 2 ID : 96234041092

Option 3 ID : 96234041090

Option 4 ID : 96234041089

Status : Answered

Chosen Option : 4

Q.5 Which of the following is an application of Zener diode?

9

- Ans
- ☒ 1. Rectifier
 - ☒ 2. Voltage Regulator
 - ☒ 3. Amplifier
 - ☒ 4. Oscillator

Question ID : 96234010257
Option 1 ID : 96234041028
Option 2 ID : 96234041027
Option 3 ID : 96234041026
Option 4 ID : 96234041025
Status : Answered
Chosen Option : 2

Q.6
0 Which of the following statements is true?

- Ans
- ☒ 1. Internal resistance is 0 for an ideal current source.
 - ☒ 2. Internal resistance is infinite for an ideal voltage source.
 - ☒ 3.
Internal resistance is 0 for an ideal voltage source and infinite for an ideal current source.
 - ☒ 4.
Internal resistance should be 0 for ideal current as well as ideal voltage source.

Question ID : 96234010295
Option 1 ID : 96234041177
Option 2 ID : 96234041178
Option 3 ID : 96234041179
Option 4 ID : 96234041180
Status : Not Answered
Chosen Option : --

Q.6
1 Avalanche breakdown is caused due to:

- Ans
- ☒ 1. emission of electrons
 - ☒ 2. Impact of ionization
 - ☒ 3. strong electric field
 - ☒ 4. high temperature

Question ID : 96234010260
Option 1 ID : 96234041039
Option 2 ID : 96234041040
Option 3 ID : 96234041037
Option 4 ID : 96234041038
Status : Answered
Chosen Option : 2

Q.6
2 If a silicon diode is operating in forward bias in a circuit with 12 V supply and 240 Ω resistor, then what will be the voltage drop across the diode?

- Ans
- ☒ 1. 1.5 V
 - ☒ 2. 6 V
 - ☒ 3. 12 V
 - ☒ 4. 0.7 V

Question ID : 96234010319
Option 1 ID : 96234041276
Option 2 ID : 96234041273

Option 3 ID : 96234041275
Option 4 ID : 96234041274
Status : Answered
Chosen Option : 4

Q.6
3 Wheatstone bridge can be used to measure _____.

- Ans
- ☒ 1. power
 - ☒ 2. resistance
 - ☒ 3. voltage
 - ☒ 4. current

Question ID : 96234010289
Option 1 ID : 96234041155
Option 2 ID : 96234041154
Option 3 ID : 96234041153
Option 4 ID : 96234041156
Status : Answered
Chosen Option : 3

Q.6
4 Which of the following components protects a cable against mechanical injury?

- Ans
- ☒ 1. Sheath
 - ☒ 2. Armouring
 - ☒ 3. Bedding
 - ☒ 4. Insulation

Question ID : 96234010300
Option 1 ID : 96234041197
Option 2 ID : 96234041200
Option 3 ID : 96234041199
Option 4 ID : 96234041198
Status : Answered
Chosen Option : 1

Q.6
5 A wire of length 'L' with resistance $10\ \Omega$ is drawn further so that its length becomes 2 L. What will be the resistance of the new wire?

- Ans
- ☒ 1. $5\ \Omega$
 - ☒ 2. $10\ \Omega$
 - ☒ 3. $40\ \Omega$
 - ☒ 4. $20\ \Omega$

Question ID : 96234010252
Option 1 ID : 96234041008
Option 2 ID : 96234041005
Option 3 ID : 96234041007
Option 4 ID : 96234041006
Status : Answered
Chosen Option : 4

Q.6
6 ఈ క్రింది కేబుల్స్ లో ఏవి సాధారణంగా పాఠశాలల్లో మరియు కార్యాలయాలలో LAN ను అందించడానికి ఉపయోగిస్తారు?

- Ans
- ☒ 1. UTP
 - ☒ 2. TRS
 - ☒ 3. CAT 5
 - ☒ 4. PVC

Question ID : 96234010282

Option 1 ID : 96234041125

Option 2 ID : 96234041128

Option 3 ID : 96234041126

Option 4 ID : 96234041127

Status : Answered

Chosen Option : 3

Q.6
7 Controlling Torque in megger is provided by:

- Ans
- ☒ 1. gravity
 - ☒ 2. coil
 - ☒ 3. eddy current
 - ☒ 4. battery

Question ID : 96234010278

Option 1 ID : 96234041110

Option 2 ID : 96234041111

Option 3 ID : 96234041112

Option 4 ID : 96234041109

Status : Answered

Chosen Option : 3

Q.6
8 హై టెన్షన్ కేబుల్స్ సాధారణంగా _____ వరకు మద్దతుగల ప్రసరణ లైన్లలో ఉపయోగిస్తారు?

- Ans
- ☒ 1. 22 kV
 - ☒ 2. 11 kV
 - ☒ 3. 33 kV
 - ☒ 4. 50 kV

Question ID : 96234010303

Option 1 ID : 96234041212

Option 2 ID : 96234041211

Option 3 ID : 96234041210

Option 4 ID : 96234041209

Status : Answered

Chosen Option : 3

Q.6
9 The current carrying capacity of cables is:

- Ans
- ☒ 1. relatively more in AC
 - ☒ 2. sometimes more in AC and sometimes more in DC
 - ☒ 3. same in AC as well as DC
 - ☒ 4. relatively more in DC

Question ID : 96234010306

Option 1 ID : 96234041221

Option 2 ID : 96234041223

Option 3 ID : 96234041222

Option 4 ID : 96234041224

Status : Answered

Chosen Option : 4

Q.7
0 What will be the power dissipation across a silicon diode carrying a current of 50 mA?

- Ans
- ☒ 1. 25 mW

- ☒ 2. 50 W
☒ 3. 35 mW
☒ 4. 100 mW

Question ID : 96234010262
Option 1 ID : 96234041046
Option 2 ID : 96234041045
Option 3 ID : 96234041047
Option 4 ID : 96234041048
Status : Answered
Chosen Option : 3

Q.7 A half wave rectifier has a 200 V rms. source and the step-down transformer has a turns ratio of 4 : 1. What will be the peak voltage across the load ignoring the drop across the diode?

- Ans ☒ 1. 70.7 V
☒ 2. 40 V
☒ 3. 100 V
☒ 4. 50 V

Question ID : 96234010259
Option 1 ID : 96234041034
Option 2 ID : 96234041035
Option 3 ID : 96234041036
Option 4 ID : 96234041033
Status : Not Answered
Chosen Option : --

Q.7 Which of the following is required for grouping 2 cells in parallel?

- Ans ☒ 1. They should have same internal resistance.
☒ 2. They should be Fully charged.
☒ 3. They should have the same ampere-hour rating.
☒ 4. They should have same emf.

Question ID : 96234010309
Option 1 ID : 96234041233
Option 2 ID : 96234041234
Option 3 ID : 96234041236
Option 4 ID : 96234041235
Status : Answered
Chosen Option : 4

Q.7 Which of the following IE rules stands for "Danger Notices"?

- Ans ☒ 1. IE Rule 45
☒ 2. IE Rule 43
☒ 3. IE Rule 35
☒ 4. IE Rule 42

Question ID : 96234010265
Option 1 ID : 96234041059
Option 2 ID : 96234041058
Option 3 ID : 96234041060
Option 4 ID : 96234041057
Status : Not Answered
Chosen Option : --

Q.7
4 KCL is based on the principle of:

- Ans
- ☒ 1. conservation of mass
 - ☒ 2. conservation of momentum
 - ☒ 3. conservation of charge
 - ☒ 4. conservation of energy

Question ID : 96234010296

Option 1 ID : 96234041182

Option 2 ID : 96234041183

Option 3 ID : 96234041184

Option 4 ID : 96234041181

Status : Answered

Chosen Option : 3

Q.7
5 Which of the following is NOT true of parallel operation of alternators?

- Ans
- ☒ 1. Increase in reliability
 - ☒ 2. Increase in losses
 - ☒ 3. Increase in efficiency
 - ☒ 4. Proper load sharing

Question ID : 96234010285

Option 1 ID : 96234041138

Option 2 ID : 96234041140

Option 3 ID : 96234041139

Option 4 ID : 96234041137

Status : Answered

Chosen Option : 2