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**

1. Options shown in green color with a tick icon are correct
2. Chosen option on top right of the question indicates the option selected by the candidate
3. 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 Ω and 6 Ω 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 $Jkg^{-1}K^{-1}$)?

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 12 Ω and the other of 24 Ω are connected in parallel. This combination is connected in series with a 22 Ω resistor and a 12 V battery. The current in the 12 Ω 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.11 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.12 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.13 A can do 2/5 of a work in 10 days. B can do ½ 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.14 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.15 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.16 A brass rod (thermal conductivity 109 J/s m K) has an area of cross section 0.04 m^2 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

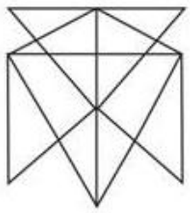
Question ID : **96234010190**
Option 1 ID : **96234040760**
Option 2 ID : **96234040757**
Option 3 ID : **96234040759**
Option 4 ID : **96234040758**
Status : **Not Answered**
Chosen Option : **--**

Q.17 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.18 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.19 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.20 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.21 If $x = \sqrt{125}\,X\,\sqrt{30}\,X\sqrt{6}$, 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.22 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.23 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.24 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 : **--**

Q.25

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.26 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.27 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.28 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.29 If, '+' represents '×', '-' represents '÷', '×' represents '÷' and '÷' represents '-', then find the value of the following expression.
$9 \times 3 \div 6 \div 2 = ?$

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.30 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.31 86°F is equal to _____ .

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.32 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. 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.33 _____ 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.34 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.35 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.37 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**

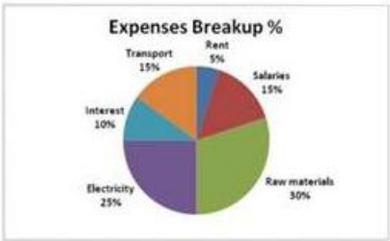
Q.38 A motorcycle travelled 1000 m at 36 km/hr. Find the time (in seconds) taken by the motorcycle to cover this distance.

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.39

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.40 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.41 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.42 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.43 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.44 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.45 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.46 Which two signs should be interchanged to make the given equation correct?

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

Ans

✘ 1. ÷ and -

✘ 2. + and ×

✔ 3. + and -

✘ 4. × 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.47 The effort in a class 1 lever is in _____ direction(s).

Ans

✘ 1. multiple

✔ 2. one

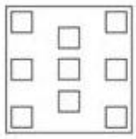
✘ 3. two

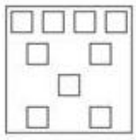
✘ 4. three

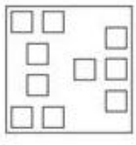
Question ID : **96234010187**
Option 1 ID : **96234040745**
Option 2 ID : **96234040748**
Option 3 ID : **96234040746**
Option 4 ID : **96234040747**
Status : **Not Answered**
Chosen Option : **--**

Q.48 Choose the figure that is different from the rest.

Ans

✘ 1. 

✘ 2. 

✔ 3. 

✗ 4. 

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.49 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.50 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.51 Choose the figure that is different from the rest.

Ans
✗ 1. 

✗ 2. 

✗ 3. 

✓ 4. 

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.52 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.53 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.54 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.55 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.56 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. 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.57 Two resistors of 10 Ω and 20 Ω are connected in series and this combination is connected across a 30 V supply voltage. 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.58 Given below is a question, followed by two arguments, I and II. You have to decide which of the given arguments, if any, is 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.59 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.60 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.61 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.62 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.63 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.64 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.65 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.66 A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
OOOOOX, OOOOXX, OOOXXX, OOXXXX, ?

Ans
1. OOXXXXX ✗
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.67 In angular measurements, one radian is equivalent to _____ degrees (approximately).

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

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

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.70 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.71 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.72 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 : **--**

Q.7

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.74 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.75 A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.

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.76 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.77 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.78 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.79 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.80 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.81 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.82 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.83 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.84 ఒక వస్తువు ₹12,000లకు విక్రయించబడింది. దానిపై 15% డిస్కౌంట్ ఇవ్వబడినప్పుడు, దానిపై 2% లాభం వచ్చింది. వస్తువు కొన్నవెల 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.85 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.86 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

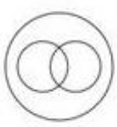
✘ 3. I * J - F + H

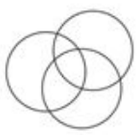
✔ 4. I - J + F * H

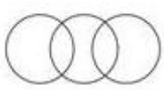
Question ID : **96234010234**
Option 1 ID : **96234040936**
Option 2 ID : **96234040935**
Option 3 ID : **96234040933**
Option 4 ID : **96234040934**
Status : **Answered**
Chosen Option : **4**

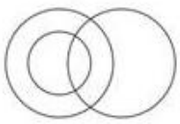
Q.87 Which of the following Venn diagrams best represents the relationship between Indians, doctors and women?

Ans

✘ 1. 

✔ 2. 

✘ 3. 

✗ 4. 

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.88 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.89 In engineering drawing, the letters LH signifies _____.

Ans

✓ 1. Left Hand

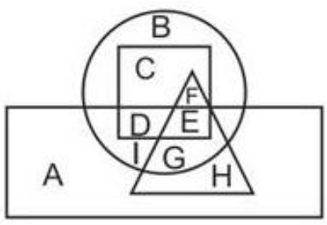
✗ 2. Limit of Height

✗ 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.90 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.91 If a machine overcomes a load '*L*' and the distance travelled by the load is '*Ld*', the work done by the load will be _____.

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.92 Find the odd group of letters from the given alternatives.

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.93 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?

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.94 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.95 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.96 పొడవు L మరియు వ్యాసార్ధం r గల ఒక తీగ నిరోధం R. దాని పొడవులో సగం మరియు వ్యాసార్ధం సగం ఉన్న అదే పదార్థం గల ఒక తీగ యొక్క నిరోధం_____ ఉంటుంది.

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.97 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.98 The effort applied to move a load is 15 units and the machine advantage is observed to be 3. Find the load.

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.99 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?

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.100 $\sec 45° - \tan 60° = ?$

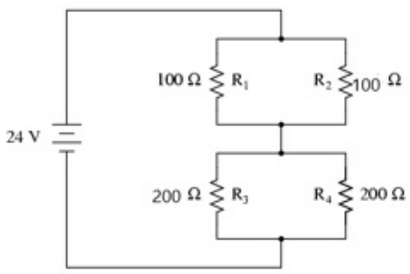
Ans

✗ 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

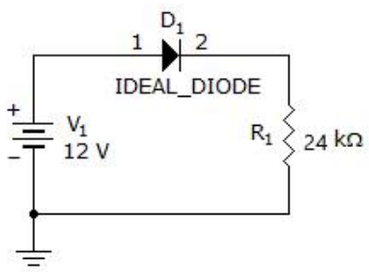
Question ID : **96234010251**
Option 1 ID : **96234041004**
Option 2 ID : **96234041002**
Option 3 ID : **96234041003**
Option 4 ID : **96234041001**
Status : **Not Answered**
Chosen Option : **--**

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.12 ఈ కిందివాటిలో ఏ వాహకనాళం (కండ్యూట్) వాణిజ్య మరియు పారిశ్రామిక వైరింగ్ లో సాధారణంగా ఉపయోగించబడుతోంది?

Ans
1. సీమ్ వెల్డెడ్ కండ్యూట్
2.
3. అనువైన కండ్యూట్
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.13 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.14 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.15 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.16 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.17 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.18 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.19 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.20 Two resistors of 5 Ω 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.21 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.22 A 6 pole 3φ induction motor is operating at a speed of 950 rpm on 550 V, 50 Hz mains. What is the slip?

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.23 Parallel grouping of cells is done to:

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

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

Ans

✘ 1. 6 V

✘ 2. 72 V

✔ 3. 12 V

✘ 4. 2 V

Question ID : **96234010305**
Option 1 ID : **96234041217**

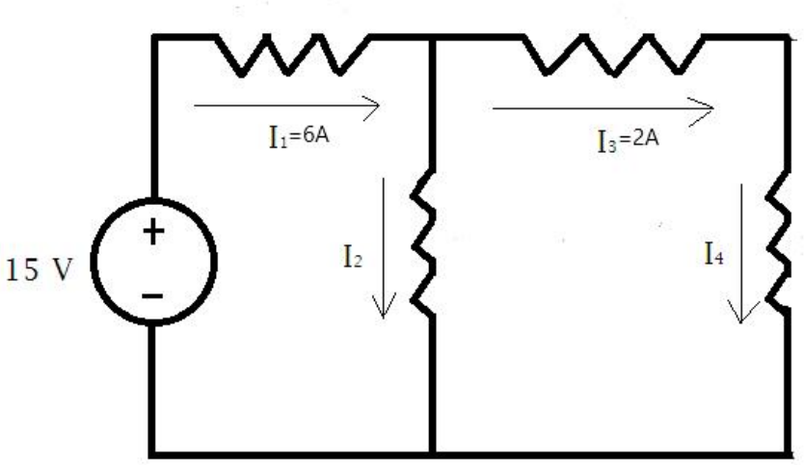
Option 2 ID : **96234041218**
Option 3 ID : **96234041220**
Option 4 ID : **96234041219**
Status : **Answered**
Chosen Option : **2**

Q.26 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.27 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.28 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.29 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.30 Which of the following is the ideal value of earthing resistance used for large power stations?

Ans
✗ 1. 1 Ω
✓ 2. 0.5 Ω
✗ 3. 5 Ω
✗ 4. 10 Ω

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.31 క్రిందివాటిలో ఏది ఎర్తింగ్ వ్యవస్థ యొక్క భాగం కాదు?

Ans
✗ 1. ఎర్తింగ్ లీడ్
✗ 2. ఎర్త్ కంటిన్యుటీ 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.32 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.33 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.34 5 m మరియు 8 m దీర్ఘచతురస్రాకార హాల్‌లో 50 లక్స్‌కు కావలసిన కాంతిమత్తత పొందటానికి ఎన్ని 200 ల్యూమెన్ దీపాలు 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.35 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.36 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.37 అమ్మీటర్ & వోల్టమీటర్‌కు 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.38 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.39 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.40 ఆల్టర్నేటర్ల యొక్క సమాంతర క్రియ కోసం క్రింది పరిస్థితుల్లో ఏది అవసరం లేదు?

Ans

✗ 1. ఇన్‌కమింగ్ మెషిన్ యొక్క దశ క్రమం మరియు బస్ బార్ వోల్టేజులు సారూప్యంగా ఉండాలి

✓ 2. రన్నింగ్ మెషిన్ యొక్క టర్మినల్ వోల్టేజ్ ఇన్‌కమింగ్ మెషిన్‌కు రెట్టింపుగా ఉండాలి

✗ 3. రెండు టర్మినల్ వోల్టేజ్‌ల పౌనఃపున్యం దాదాపుగా సమానంగా ఉండాలి

✗ 4. రెండు సిస్టంల యొక్క ఫేజ్ 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.41 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.42 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.43 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.44 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.45 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.46 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.47 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.48 Watt-hour efficiency of a cell _____ Ampere-hour efficiency.

Ans

✓ 1. is always less than

✗ 2. is always more than

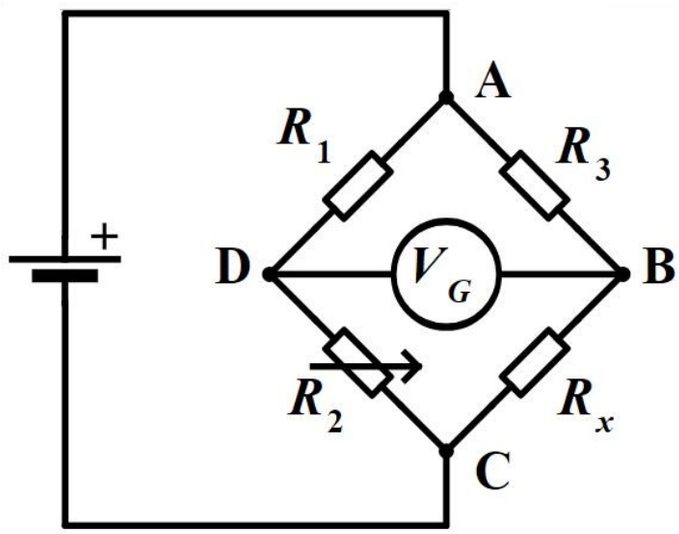
✗ 3. is always equal to

✗ 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.49

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.50 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.51 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.52 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.53 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.54 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.55 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.56 Which of the following motors is typically found on low horsepower applications?

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

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

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.59 Which of the following is an application of Zener diode?

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.60 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.61 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.62 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.63 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.64 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.65 A wire of length 'L' with resistance 10 Ω is drawn further so that it's length becomes 2 L. What will be the resistance of the new wire?

Ans
✗ 1. 5 Ω
✗ 2. 10 Ω
✓ 3. 40 Ω
✗ 4. 20 Ω

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.66 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.67 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.68 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.69 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.70 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.71 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.72 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.73 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.74 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.75 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**