



# RAILWAY RECRUITMENT BOARDS

## रेलवे भर्ती बोर्ड

### 2<sup>nd</sup> Stage CBT for ALP & TECHNICIANS (CEN-01/2018)

Roll No:	
Participants Name:	
Test Center Name:	iON Digital Zone iDZ AB Road Rajendra Nagar
Test Date:	23/01/2019
Test Time:	4:30 PM - 7:00 PM
Subject:	<b>Part A and Exam Trade : Electronics Mechanic</b>

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

Section : Part A

Q.1 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<sup>-1</sup>K<sup>-1</sup>)?

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

Question ID : 96234011239  
Option 1 ID : 96234044956  
Option 2 ID : 96234044954  
Option 3 ID : 96234044953  
Option 4 ID : 96234044955

Status : Answered

Chosen Option : 4

Q.2 Greater the value of \_\_\_\_\_ of a material, the more rapidly it will conduct heat.

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

Question ID : 96234011229  
Option 1 ID : 96234044915  
Option 2 ID : 96234044916  
Option 3 ID : 96234044914  
Option 4 ID : 96234044913

Status : Answered

Chosen Option : 3

Q.3 Substances that are broken down by biological processes are said to be \_\_\_\_\_.

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

Question ID : 96234011214

Option 1 ID : 96234044856

Option 2 ID : 96234044854

Option 3 ID : 96234044853

Option 4 ID : 96234044855

Status : Answered

Chosen Option : 4

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 : 96234011280

Option 1 ID : 96234045120

Option 2 ID : 96234045118

Option 3 ID : 96234045117

Option 4 ID : 96234045119

Status : Answered

Chosen Option : 1

Q.5 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.  $V/it$
  - 2.  $Vi/t$
  - 3.  $1/Vit$
  - 4.  $Vit$

Question ID : 96234011246

Option 1 ID : 96234044982

Option 2 ID : 96234044983

Option 3 ID : 96234044984

Option 4 ID : 96234044981

Status : Not Answered

Chosen Option : --

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

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

Question ID : 96234011212

Option 1 ID : 96234044846

Option 2 ID : 96234044848

Option 3 ID : 96234044845

Option 4 ID : 96234044847

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

Chosen Option : --

Q.7 Where is the Headquarters of UNESCO located?

Ans  1. New York City

2. Geneva

3. Paris

4. Washington DC

Question ID : 96234011208

Option 1 ID : 96234044830

Option 2 ID : 96234044829

Option 3 ID : 96234044832

Option 4 ID : 96234044831

Status : **Answered**

Chosen Option : 3

Q.8 निम्नलिखित विकल्पों में से किस विकल्प की एस.आई. (SI) इकाई नहीं होती है?

Ans  1. आवृत्ति

2. विद्युत धारा

3. पदार्थ की मात्रा

4. प्रकाश की तीव्रता

Question ID : 96234011211

Option 1 ID : 96234044844

Option 2 ID : 96234044843

Option 3 ID : 96234044841

Option 4 ID : 96234044842

Status : **Answered**

Chosen Option : 4

Q.9 JPEG stands for \_\_\_\_\_.

Ans  1. Joint Program Experts Group

2. Joint Program Executing Group

3. Joint Program Experimental Group

4. Joint Photographic Experts Group

Question ID : 96234011233

Option 1 ID : 96234044929

Option 2 ID : 96234044932

Option 3 ID : 96234044931

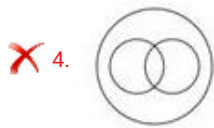
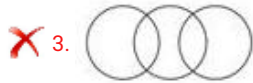
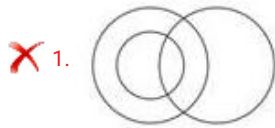
Option 4 ID : 96234044930

Status : **Answered**

Q.1 Which of the following Venn diagrams best represents the relationship between Indians, doctors and women?

0

Ans



Question ID : 96234011289

Option 1 ID : 96234045156

Option 2 ID : 96234045155

Option 3 ID : 96234045153

Option 4 ID : 96234045154

Status : Answered

Chosen Option : 2

Q.1 An object weighs X units on the earth. If we take the same object to the moon, its weight there will be \_\_\_\_\_.

1

Ans

1. less than X

2. more than X

3. zero

4. equal to X

Question ID : 96234011219

Option 1 ID : 96234044874

Option 2 ID : 96234044873

Option 3 ID : 96234044876

Option 4 ID : 96234044875

Status : Answered

Chosen Option : 1

Q.1 Molar specific heat capacity of a substance is \_\_\_\_\_.

2

Ans

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

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

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

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

Question ID : 96234011228

Option 1 ID : 96234044911

Option 2 ID : 96234044912

Option 3 ID : 96234044909

Option 4 ID : 96234044910

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.1 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:

3

Ans  $\times$  1. 6%

$\times$  2. 1%

$\times$  3. 8%

$\checkmark$  4. 7%

Question ID : 96234011260

Option 1 ID : 96234045037

Option 2 ID : 96234045039

Option 3 ID : 96234045038

Option 4 ID : 96234045040

Status : Not Answered

Chosen Option : --

Q.1 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?

4

Ans  $\times$  1. F is 18 km west of E

$\checkmark$  2. F is 18 km east of E

$\times$  3. F is 4 km east of E

$\times$  4. F is 4 km west of E

Question ID : 96234011298

Option 1 ID : 96234045189

Option 2 ID : 96234045192

Option 3 ID : 96234045190

Option 4 ID : 96234045191

Status : Answered

Chosen Option : 2

Q.1  $86^{\circ}\text{F}$  is equal to \_\_\_\_\_ .

5

Ans  $\checkmark$  1.  $30^{\circ}\text{C}$

$\times$  2.  $20^{\circ}\text{C}$

$\times$  3.  $10^{\circ}\text{C}$

$\times$  4.  $34^{\circ}\text{C}$

Question ID : 96234011227

Option 1 ID : 96234044907

Option 2 ID : 96234044906

Option 3 ID : 96234044905

Option 4 ID : 96234044908

Status : **Answered**  
Chosen Option : 1

**Q.1** In an examination, the highest score and the lowest score differed by 55 and the higher one was  $\frac{9}{4}$  times the lower one.  
**6** What is the lowest score?

- Ans**
- 1. 36
  - 2. 44
  - 3. 40
  - 4. 48

Question ID : **96234011262**  
Option 1 ID : **96234045045**  
Option 2 ID : **96234045047**  
Option 3 ID : **96234045046**  
Option 4 ID : **96234045048**  
Status : **Answered**  
Chosen Option : 2

**Q.1** 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.  
**7**

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

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

Question ID : **96234011286**  
Option 1 ID : **96234045141**  
Option 2 ID : **96234045144**  
Option 3 ID : **96234045143**  
Option 4 ID : **96234045142**  
Status : **Answered**  
Chosen Option : 2

**Q.1** 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.  
**8**

- Ans**
- 1. projection
  - 2. dimensioning
  - 3. development
  - 4. animation

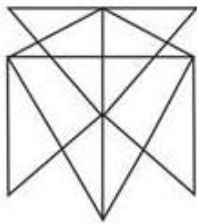
Question ID : **96234011221**  
Option 1 ID : **96234044881**  
Option 2 ID : **96234044884**  
Option 3 ID : **96234044883**  
Option 4 ID : **96234044882**  
Status : **Answered**  
Chosen Option : 1

**Q.1** A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.  
**9**  
1.14, 1.28, 1.42, ?, 1.70, 1.84

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

Question ID : 96234011279  
Option 1 ID : 96234045114  
Option 2 ID : 96234045115  
Option 3 ID : 96234045116  
Option 4 ID : 96234045113  
Status : Answered  
Chosen Option : 1

Q.2  
0 What is the minimum number of lines required to make the given image?



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

Question ID : 96234011293  
Option 1 ID : 96234045171  
Option 2 ID : 96234045169  
Option 3 ID : 96234045172  
Option 4 ID : 96234045170  
Status : Answered  
Chosen Option : 1

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

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

Question ID : 96234011263  
Option 1 ID : 96234045049  
Option 2 ID : 96234045050  
Option 3 ID : 96234045051  
Option 4 ID : 96234045052  
Status : Not Answered  
Chosen Option : --

Q.2  
2 A software program that has been developed to harm other computers is called a/an \_\_\_\_\_.

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

Question ID : 96234011232  
Option 1 ID : 96234044926  
Option 2 ID : 96234044927  
Option 3 ID : 96234044925  
Option 4 ID : 96234044928  
Status : Answered  
Chosen Option : 3

Q.2  
3 Name the scientist who discovered bacteria.

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

Question ID : 96234011203  
Option 1 ID : 96234044811  
Option 2 ID : 96234044810  
Option 3 ID : 96234044812  
Option 4 ID : 96234044809  
Status : Answered  
Chosen Option : 4

Q.2  
4 A wire of length  $l$  and radius  $r$  has a resistance  $R$ . The resistance of another wire made of the same material but having half its length and half its radius will be \_\_\_\_.

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

Question ID : 96234011247  
Option 1 ID : 96234044988  
Option 2 ID : 96234044985  
Option 3 ID : 96234044986  
Option 4 ID : 96234044987  
Status : Answered  
Chosen Option : 2

Q.2  
5  $\sec 45^\circ - \tan 60^\circ = ?$

- Ans
- 1.  $-\sqrt{3} - \sqrt{2}$
  - 2.  $\frac{\sqrt{3}}{2}$



✓ 3.  $-\sqrt{3} + \sqrt{2}$

✗ 4.  $\sqrt{3} + \sqrt{2}$

Question ID : 96234011265

Option 1 ID : 96234045060

Option 2 ID : 96234045059

Option 3 ID : 96234045058

Option 4 ID : 96234045057

Status : Not Answered

Chosen Option : --

Q.2 यदि किसी पिंड का विशिष्ट गुरुत्वाकर्षण 1 से कम है, तो यह \_\_\_\_\_ में/पर तैरने लगेगा।

Ans ✗ 1. पारा (मरकरी)

✗ 2. हवा

✓ 3. पानी

✗ 4. द्रव

Question ID : 96234011218

Option 1 ID : 96234044869

Option 2 ID : 96234044870

Option 3 ID : 96234044871

Option 4 ID : 96234044872

Status : Not Attempted and Marked For Review

Chosen Option : --

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

Ans ✗ 1. Arabic

✓ 2. Buddhist

✗ 3. Maratha

✗ 4. Islamic

Question ID : 96234011205

Option 1 ID : 96234044820

Option 2 ID : 96234044818

Option 3 ID : 96234044817

Option 4 ID : 96234044819

Status : Answered

Chosen Option : 2

Q.2 The abbreviation AC in an engineering drawing stands for \_\_\_\_\_.

Ans ✗ 1. Air Conditioning

✗ 2. Aerial Cut

✓ 3. Across Corners

✗ 4. Attached Circle

Question ID : 96234011222

Option 1 ID : 96234044886

Option 2 ID : 96234044887

Option 3 ID : 96234044885  
Option 4 ID : 96234044888  
Status : Not Answered  
Chosen Option : --

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

- Ans
- 1. 125
  - 2. 175
  - 3. 136
  - 4. 150

Question ID : 96234011272  
Option 1 ID : 96234045085  
Option 2 ID : 96234045087  
Option 3 ID : 96234045088  
Option 4 ID : 96234045086  
Status : Not Answered  
Chosen Option : --

Q.3  
0 What is the curved surface area of a hemisphere whose radius is 7 cm? (take  $\pi = 22/7$ )

- Ans
- 1. 924 cm<sup>2</sup>
  - 2. 616 cm<sup>2</sup>
  - 3. 154 cm<sup>2</sup>
  - 4. 308 cm<sup>2</sup>

Question ID : 96234011258  
Option 1 ID : 96234045031  
Option 2 ID : 96234045029  
Option 3 ID : 96234045032  
Option 4 ID : 96234045030  
Status : Answered  
Chosen Option : 4

Q.3  
1 A 4-digit number 1xy7 is divisible by 11. What is the value of x-y?

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

Question ID : 96234011251  
Option 1 ID : 96234045001  
Option 2 ID : 96234045002  
Option 3 ID : 96234045003  
Option 4 ID : 96234045004  
Status : Answered  
Chosen Option : 2

Q.3  
2 गिरती हुई वस्तुओं से अपने \_\_\_\_\_ की सुरक्षा के लिए निर्दिष्ट क्षेत्रों में सेफ्टी बूट या जूते पहनने चाहिए।

- Ans
- 1. आंख
  - 2. कान
  - 3. पैर के पंजे
  - 4. सिर

Question ID : 96234011230  
Option 1 ID : 96234044918  
Option 2 ID : 96234044917  
Option 3 ID : 96234044919  
Option 4 ID : 96234044920  
Status : Answered  
Chosen Option : 3

Q.3 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 east
  - 4. 4 km west

Question ID : 96234011297  
Option 1 ID : 96234045185  
Option 2 ID : 96234045186  
Option 3 ID : 96234045187  
Option 4 ID : 96234045188  
Status : Answered  
Chosen Option : 1

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

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

Question ID : 96234011210  
Option 1 ID : 96234044839  
Option 2 ID : 96234044838  
Option 3 ID : 96234044837  
Option 4 ID : 96234044840  
Status : Answered  
Chosen Option : 2

Q.3 What is the unit's digit in  $3^{66} \times 6^{41} \times 7^{53}$

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

Question ID : 96234011252

Option 1 ID : 96234045005  
Option 2 ID : 96234045007  
Option 3 ID : 96234045006  
Option 4 ID : 96234045008  
Status : Answered  
Chosen Option : 1

**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 II follows  
 2. Both I and II follow  
 3. Neither I nor II follows  
 4. Only conclusion I follows

Question ID : 96234011285  
Option 1 ID : 96234045138  
Option 2 ID : 96234045139  
Option 3 ID : 96234045140  
Option 4 ID : 96234045137  
Status : Answered  
Chosen Option : 1

**Q.3** A brass rod (thermal conductivity  $109 \text{ J/s m K}$ ) has an area of cross section  $0.04 \text{ m}^2$  and length  $20 \text{ cm}$ . If the two end of the rod are maintained at a temperature difference of  $200^\circ\text{C}$ , the rate of heat flow through the rod is \_\_\_\_\_.

- Ans  1.  $5.80 \text{ kJ/s}$   
 2.  $3.42 \text{ kJ/s}$   
 3.  $2.32 \text{ kJ/s}$   
 4.  $4.36 \text{ kJ/s}$

Question ID : 96234011240  
Option 1 ID : 96234044960  
Option 2 ID : 96234044958  
Option 3 ID : 96234044957  
Option 4 ID : 96234044959  
Status : Not Answered  
Chosen Option : --

**Q.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. load; effort  
 2. effort; load  
 3. effort; effort  
 4. load; load

Question ID : 96234011234  
Option 1 ID : 96234044934  
Option 2 ID : 96234044933

Option 3 ID : 96234044935  
Option 4 ID : 96234044936  
Status : Answered  
Chosen Option : 1

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 : 96234011231  
Option 1 ID : 96234044923  
Option 2 ID : 96234044921  
Option 3 ID : 96234044922  
Option 4 ID : 96234044924  
Status : Answered  
Chosen Option : 2

Q.4 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. Venus
  - 4. Mercury

Question ID : 96234011213  
Option 1 ID : 96234044849  
Option 2 ID : 96234044852  
Option 3 ID : 96234044850  
Option 4 ID : 96234044851  
Status : Answered  
Chosen Option : 2

Q.4 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 : 96234011268  
Option 1 ID : 96234045072  
Option 2 ID : 96234045071  
Option 3 ID : 96234045069  
Option 4 ID : 96234045070  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.4 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. 10 J
  - 2. 8 J
  - 3. 12 J
  - 4. 6 J

Question ID : 96234011215  
Option 1 ID : 96234044859  
Option 2 ID : 96234044858  
Option 3 ID : 96234044860  
Option 4 ID : 96234044857  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

Q.4 Select the option that is related to the third number in the same way as the second number is related to the first number.

3  
-9/11 : 11/9 :: 13/2 : ?

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

Question ID : 96234011277  
Option 1 ID : 96234045108  
Option 2 ID : 96234045107  
Option 3 ID : 96234045105  
Option 4 ID : 96234045106  
Status : **Not Answered**  
Chosen Option : --

Q.4 X और Y की उम्र का अनुपात 4 : 7 है। तीन वर्ष पहले, उनकी उम्र का अनुपात 1 : 2 था। उनकी वर्तमान उम्र में कितना अंतर (Y - X) है?

- Ans
- 1. 3
  - 2. 6
  - 3. 9
  - 4. 7.5

Question ID : 96234011275  
Option 1 ID : 96234045097  
Option 2 ID : 96234045098  
Option 3 ID : 96234045100  
Option 4 ID : 96234045099  
Status : **Answered**  
Chosen Option : 3

Q.4 How many medals did India win in Rio Olympics, 2016?

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

Question ID : 96234011201  
Option 1 ID : 96234044803  
Option 2 ID : 96234044801  
Option 3 ID : 96234044802  
Option 4 ID : 96234044804  
Status : Not Answered  
Chosen Option : --

Q.4  
6 If  $\sin \Theta = 15/17$ , then  $\cot \Theta = ?$

Ans

1.  $\frac{8}{15}$

2.  $\frac{15}{8}$

3.  $\frac{17}{15}$

4.  $\frac{8}{17}$

Question ID : 96234011266  
Option 1 ID : 96234045062  
Option 2 ID : 96234045061  
Option 3 ID : 96234045064  
Option 4 ID : 96234045063  
Status : Not Answered  
Chosen Option : --

Q.4  
7 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.  $\frac{Ld}{L}$

2.  $\frac{1}{L \times Ld}$

3.  $L \times Ld$

4.  $\frac{L}{Ld}$

Question ID : 96234011235  
Option 1 ID : 96234044939  
Option 2 ID : 96234044938  
Option 3 ID : 96234044940  
Option 4 ID : 96234044937  
Status : Answered  
Chosen Option : 3

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

Ans

1. HVR Iyengar

2. KR Puri

3. Sir Osborne A Smith

4. Sir James Braid Taylor

Question ID : 96234011209  
Option 1 ID : 96234044836  
Option 2 ID : 96234044833  
Option 3 ID : 96234044834  
Option 4 ID : 96234044835  
Status : Answered  
Chosen Option : 3

**Q.4** 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. Only argument I is strong.
  - 2. Both I and II are strong.
  - 3. Only argument II is strong.
  - 4. Neither I nor II is strong.

Question ID : 96234011300  
Option 1 ID : 96234045197  
Option 2 ID : 96234045199  
Option 3 ID : 96234045198  
Option 4 ID : 96234045200  
Status : Answered  
Chosen Option : 4

**Q.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. 10.71 days
  - 2. 10.91 days
  - 3. 10.67 days
  - 4. 9.23 days

Question ID : 96234011273  
Option 1 ID : 96234045090  
Option 2 ID : 96234045092  
Option 3 ID : 96234045089  
Option 4 ID : 96234045091  
Status : Answered  
Chosen Option : 4

**Q.5** 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. 16 W
  - 2. 14 W
  - 3. 18 W
  - 4. 10 W

Question ID : 96234011250  
Option 1 ID : 96234044999



Option 2 ID : 96234044998  
Option 3 ID : 96234045000  
Option 4 ID : 96234044997  
Status : Answered  
Chosen Option : 3

Q.5 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 : 96234011284  
Option 1 ID : 96234045135  
Option 2 ID : 96234045134  
Option 3 ID : 96234045133  
Option 4 ID : 96234045136  
Status : Answered  
Chosen Option : 2

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

- Ans
- 1.  $(4/15)\ \text{A}$
  - 2.  $(8/15)\ \text{A}$
  - 3.  $(2/15)\ \text{A}$
  - 4.  $(6/15)\ \text{A}$

Question ID : 96234011241  
Option 1 ID : 96234044962  
Option 2 ID : 96234044964  
Option 3 ID : 96234044961  
Option 4 ID : 96234044963  
Status : Answered  
Chosen Option : 4

Q.5 If a body is NOT homogeneous, then its density is a function of its \_\_\_\_\_.

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

Question ID : 96234011217  
Option 1 ID : 96234044866  
Option 2 ID : 96234044868  
Option 3 ID : 96234044867  
Option 4 ID : 96234044865  
Status : Not Answered  
Chosen Option : --

Q.5 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. 8
  - 2. 11
  - 3. 10
  - 4. 9

Question ID : 96234011274

Option 1 ID : 96234045096

Option 2 ID : 96234045093

Option 3 ID : 96234045094

Option 4 ID : 96234045095

Status : Answered

Chosen Option : 2

Q.5 एक मशीन ₹1,500 में खरीदी गई और उसे ठीक करवाने में ₹100 और खर्च हुए। उसे कितने मूल्य पर बेचा जाए कि 25% का लाभ प्राप्त हो?

- Ans
- 1. ₹1,960
  - 2. ₹1,920
  - 3. ₹2,000
  - 4. ₹2,040

Question ID : 96234011255

Option 1 ID : 96234045018

Option 2 ID : 96234045017

Option 3 ID : 96234045019

Option 4 ID : 96234045020

Status : Answered

Chosen Option : 3

Q.5 Which two signs should be interchanged to make the given equation correct?

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

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

Question ID : 96234011282

Option 1 ID : 96234045128

Option 2 ID : 96234045127

Option 3 ID : 96234045126

Option 4 ID : 96234045125

Status : Answered

Chosen Option : 3

Q.5 नीचे दिए गए शब्दों को सुलझाएं और असंगत को चुनें।

- Ans
- 1. ERTIG
  - 2. FLOW

3. ILNO

4. WCO

Question ID : 96234011287

Option 1 ID : 96234045146

Option 2 ID : 96234045148

Option 3 ID : 96234045145

Option 4 ID : 96234045147

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.5  
9 Name the painter of the famous painting, 'Mahishasura'.

Ans  1. Tyeb Mehta

2. MF Hussain

3. Raja Ravi Verma

4. Amrita Sher-Gil

Question ID : 96234011204

Option 1 ID : 96234044816

Option 2 ID : 96234044815

Option 3 ID : 96234044814

Option 4 ID : 96234044813

Status : Answered

Chosen Option : 2

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

Ans  1. OXXXXX

2. OOXXXX

3. OOXXXXX

4. XXXXXXX

Question ID : 96234011278

Option 1 ID : 96234045109

Option 2 ID : 96234045112

Option 3 ID : 96234045110

Option 4 ID : 96234045111

Status : Answered

Chosen Option : 1

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

Ans  1. 1000

2. 1250

3. 1216

4. 1189

Question ID : 96234011223

Option 1 ID : 96234044889

Option 2 ID : 96234044891

Option 3 ID : 96234044890

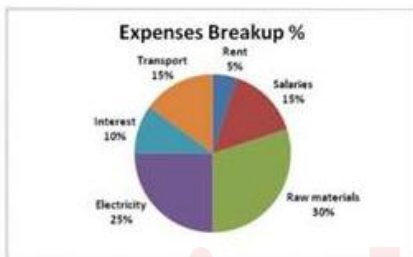
Option 4 ID : 96234044892  
Status : Answered  
Chosen Option : 4

Q.6  
2 The effort in a class 1 lever is in \_\_\_\_\_ direction(s).

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

Question ID : 96234011237  
Option 1 ID : 96234044947  
Option 2 ID : 96234044945  
Option 3 ID : 96234044948  
Option 4 ID : 96234044946  
Status : Answered  
Chosen Option : 3

Q.6  
3 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. ₹5,000
  - 2. ₹2,500
  - 3. ₹1,800
  - 4. ₹9,000

Question ID : 96234011291  
Option 1 ID : 96234045162  
Option 2 ID : 96234045161  
Option 3 ID : 96234045164  
Option 4 ID : 96234045163  
Status : Answered  
Chosen Option : 2

Q.6  
4 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. I alone is sufficient while II alone is not sufficient
2. Either I or II is sufficient
3. II alone is sufficient while I alone is not sufficient
4. Neither I nor II is sufficient

Question ID : 96234011290

Option 1 ID : 96234045157

Option 2 ID : 96234045159

Option 3 ID : 96234045158

Option 4 ID : 96234045160

Status : Answered

Chosen Option : 3

Q.6 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. Only assumption I is implicit

2. Both I and II are implicit

3. Neither I nor II is implicit

4. Only assumption II is implicit

Question ID : 96234011299

Option 1 ID : 96234045193

Option 2 ID : 96234045195

Option 3 ID : 96234045196

Option 4 ID : 96234045194

Status : Marked For Review

Chosen Option : 3

Q.6 निम्नलिखित में कौन उस सैद्धांतिक निश्चित तल, अक्ष या बिंदु स्थान की व्याख्या करता है, जो जी.डी. (GD) और T या आयमी सहयता को भी संदर्भित करता है?

Ans  1. तथ्य (डैटम)

2. अनुभाग (सेक्शन)

3. फलैज

4. फ्रेम

Question ID : 96234011220

Option 1 ID : 96234044877

Option 2 ID : 96234044878

Option 3 ID : 96234044879

Option 4 ID : 96234044880

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.6 A body starts from rest. Its displacement is proportional to \_\_\_\_\_ when its acceleration is constant.

7

Ans  1. velocity

2. work

3. time

4. time squared

Question ID : 96234011243

Option 1 ID : 96234044972

Option 2 ID : 96234044971

Option 3 ID : 96234044970

Option 4 ID : 96234044969

Status : Answered

Chosen Option : 3

Q.6 एक संख्या 50 से उतनी ही अधिक है जितनी 84 से कम है। वह संख्या क्या है?

Ans  1. 66

2. 67

3. 68

4. 65

Question ID : 96234011261

Option 1 ID : 96234045042

Option 2 ID : 96234045043

Option 3 ID : 96234045044

Option 4 ID : 96234045041

Status : Answered

Chosen Option : 2

Q.6 What is the distance between the points (4, 3) and (3, -2)?

Ans  1. 5

2.  $\sqrt{26}$

3. 6

4.  $\sqrt{24}$

Question ID : 96234011264

Option 1 ID : 96234045055

Option 2 ID : 96234045053

Option 3 ID : 96234045056

Option 4 ID : 96234045054

Status : Not Answered

Chosen Option : --

Q.7 दो प्रतिरोधकों, 10  $\Omega$  और 20  $\Omega$  को श्रृंखला (सीरीज) में जोड़ा जाता है और इस संयोजन में वोल्टेज आपूर्ति 30 V दी जाती है। 10  $\Omega$  वाले प्रतिरोधक का वोल्टेज ज्ञात करें।

Ans  1. 10 V

2. 20 V

3. 15 V

4. 5 V

Question ID : 96234011248

Option 1 ID : 96234044990

Option 2 ID : 96234044991

Option 3 ID : 96234044992  
Option 4 ID : 96234044989  
Status : Not Answered  
Chosen Option : --

Q.7  
1 Which Indian cricketer received the Padma Bhushan in 2018?

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

Question ID : 96234011206  
Option 1 ID : 96234044821  
Option 2 ID : 96234044824  
Option 3 ID : 96234044822  
Option 4 ID : 96234044823  
Status : Answered  
Chosen Option : 1

Q.7  
2 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 : 96234011236  
Option 1 ID : 96234044944  
Option 2 ID : 96234044942  
Option 3 ID : 96234044943  
Option 4 ID : 96234044941  
Status : Answered  
Chosen Option : 4

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

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

Question ID : 96234011257  
Option 1 ID : 96234045028  
Option 2 ID : 96234045027  
Option 3 ID : 96234045026  
Option 4 ID : 96234045025  
Status : Answered  
Chosen Option : 4

Q.7  
4 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. 5  
 3. 1  
 4. 2

Question ID : 96234011269  
Option 1 ID : 96234045075  
Option 2 ID : 96234045076  
Option 3 ID : 96234045073  
Option 4 ID : 96234045074  
Status : Answered  
Chosen Option : 3

Q.7 A motorcycle travelled 1000 m at 36 km/hr. Find the time (in seconds) taken by the motorcycle to cover this distance.

5

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

Question ID : 96234011245  
Option 1 ID : 96234044980  
Option 2 ID : 96234044979  
Option 3 ID : 96234044977  
Option 4 ID : 96234044978  
Status : Answered  
Chosen Option : 3

Q.7 वह विकल्प चुनिए जो तीसरे पद से उसी प्रकार संबंधित हो जिस प्रकार दूसरा पद पहले पद से है।  
6

लंबा: छोटा :: खुश : ?

- Ans  1. मुस्कराहट  
 2. भावना  
 3. दुखी  
 4. प्रसन्न

Question ID : 96234011276  
Option 1 ID : 96234045103  
Option 2 ID : 96234045104  
Option 3 ID : 96234045101  
Option 4 ID : 96234045102  
Status : Answered  
Chosen Option : 3

Q.7 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?  
7

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



4. Only K

Question ID : 96234011294

Option 1 ID : 96234045173

Option 2 ID : 96234045174

Option 3 ID : 96234045175

Option 4 ID : 96234045176

Status : Answered

Chosen Option : 4

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

Ans  1. Alcohol

2. Brass

3. Glass

4. Water

Question ID : 96234011225

Option 1 ID : 96234044897

Option 2 ID : 96234044900

Option 3 ID : 96234044899

Option 4 ID : 96234044898

Status : Answered

Chosen Option : 2

Q.7  
9 Identify the material having low coefficient of volume expansion

Ans  1. Brass

2. Mercury

3. Iron

4. Aluminium

Question ID : 96234011226

Option 1 ID : 96234044902

Option 2 ID : 96234044901

Option 3 ID : 96234044903

Option 4 ID : 96234044904

Status : Answered

Chosen Option : 2

Q.8  
0 Which one of these is a harvest festival?

Ans  1. Onam

2. Janmashtami

3. Deepawali

4. Teej

Question ID : 96234011202

Option 1 ID : 96234044806

Option 2 ID : 96234044805

Option 3 ID : 96234044807

Option 4 ID : 96234044808

Status : Answered  
Chosen Option : 1

Q.8  
1 What is 80% of 50% of 90?

- Ans
- 1. 34
  - 2. 30
  - 3. 32
  - 4. 36

Question ID : 96234011270  
Option 1 ID : 96234045079  
Option 2 ID : 96234045077  
Option 3 ID : 96234045078  
Option 4 ID : 96234045080  
Status : Answered  
Chosen Option : 4

Q.8  
2 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 mother of W
  - 3. Z is wife of W
  - 4. Z is daughter of W

Question ID : 96234011283  
Option 1 ID : 96234045130  
Option 2 ID : 96234045131  
Option 3 ID : 96234045129  
Option 4 ID : 96234045132  
Status : Answered  
Chosen Option : 1

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

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

Question ID : 96234011271  
Option 1 ID : 96234045084  
Option 2 ID : 96234045083  
Option 3 ID : 96234045081  
Option 4 ID : 96234045082  
Status : Answered  
Chosen Option : 4

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

- Ans
- 1. 25.05
  - 2. 2.505

3. 0.2505

4. 250.5

Question ID : 96234011253

Option 1 ID : 96234045010

Option 2 ID : 96234045009

Option 3 ID : 96234045011

Option 4 ID : 96234045012

Status : Not Answered

Chosen Option : --

Q.8  
5 A car covers 400 m in 20 seconds. Find the average speed (in km/hr) of the car.

Ans  1. 108

2. 36

3. 72

4. 124

Question ID : 96234011244

Option 1 ID : 96234044975

Option 2 ID : 96234044973

Option 3 ID : 96234044974

Option 4 ID : 96234044976

Status : Answered

Chosen Option : 3

Q.8  
6 In engineering drawing, the letters LH signifies \_\_\_\_\_.

Ans  1. Low Heat

2. Level Hide

3. Limit of Height

4. Left Hand

Question ID : 96234011224

Option 1 ID : 96234044893

Option 2 ID : 96234044894

Option 3 ID : 96234044895

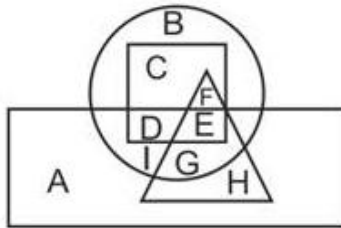
Option 4 ID : 96234044896

Status : Answered

Chosen Option : 3

Q.8  
7

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. GEF
  - 3. IGH
  - 4. DEF

Question ID : 96234011288

Option 1 ID : 96234045149

Option 2 ID : 96234045150

Option 3 ID : 96234045152

Option 4 ID : 96234045151

Status : Answered

Chosen Option : 2

Q.8 An airplane flies at the speed of 50 m/s. How much distance (in km) will it cover in a flight of 5 hours?

8

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

Question ID : 96234011259

Option 1 ID : 96234045036

Option 2 ID : 96234045035

Option 3 ID : 96234045033

Option 4 ID : 96234045034

Status : Answered

Chosen Option : 1

Q.8 एक पतलून खरीदने में ₹2,000 खर्च हुए। खर्च हुए पैसे शशि के पास के कुल पैसे का 2/5वां भाग थे। उसके पास कुल कितने पैसे थे?

9

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

Question ID : 96234011256

Option 1 ID : 96234045024

Option 2 ID : 96234045022

Option 3 ID : 96234045023  
Option 4 ID : 96234045021  
Status : Answered  
Chosen Option : 1

Q.9 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 : 96234011267  
Option 1 ID : 96234045067  
Option 2 ID : 96234045066  
Option 3 ID : 96234045065  
Option 4 ID : 96234045068  
Status : Answered  
Chosen Option : 2

Q.9 If, '+' represents '×', '-' represents '+', '×' represents '-' and '-' represents '+', then find the value of the following expression.

- 1  $9 \times 3 + 6 \div 2 = ?$
- Ans
- 1. 12
  - 2. 16
  - 3. 20
  - 4. 10

Question ID : 96234011281  
Option 1 ID : 96234045122  
Option 2 ID : 96234045123  
Option 3 ID : 96234045124  
Option 4 ID : 96234045121  
Status : Answered  
Chosen Option : 2

Q.9 An object starts from rest at  $x = 0$  m and moves with a constant acceleration of  $1.6 \text{ m/s}^2$  along the x-axis. During its journey from  $x = 12.8$  m to  $x = 20.0$  m, its average velocity will be \_\_\_\_\_.

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

Question ID : 96234011238  
Option 1 ID : 96234044949  
Option 2 ID : 96234044951  
Option 3 ID : 96234044950  
Option 4 ID : 96234044952  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.9 एक वस्तु को ₹12,000 में बेचा गया। यदि 15% छूट दी जाए, तो 2% का लाभ होता है। वस्तु का क्रय मूल्य क्या था?

- Ans
- 1. ₹10,200
  - 2. ₹10,800
  - 3. ₹11,000
  - 4. ₹10,000

Question ID : 96234011254

Option 1 ID : 96234045016

Option 2 ID : 96234045015

Option 3 ID : 96234045013

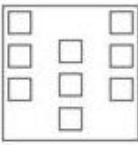
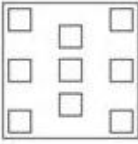
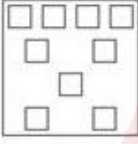

Option 4 ID : 96234045014

Status : Answered

Chosen Option : 4

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

Ans

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

Question ID : 96234011295

Option 1 ID : 96234045177

Option 2 ID : 96234045178

Option 3 ID : 96234045179

Option 4 ID : 96234045180

Status : Answered

Chosen Option : 4

Q.9 Two resistors of  $2\ \Omega$  and  $6\ \Omega$  are connected in series and this combination is connected across a 12 V battery. Find the current in the  $6\ \Omega$  resistor.

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

Question ID : 96234011249

Option 1 ID : 96234044996

Option 2 ID : 96234044995

Option 3 ID : 96234044994

Option 4 ID : 96234044993

Status : Answered

Chosen Option : 3

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

Ans  1. VWX

2. EFG

3. PQR

4. HJL

Question ID : 96234011292

Option 1 ID : 96234045167

Option 2 ID : 96234045168

Option 3 ID : 96234045165

Option 4 ID : 96234045166

Status : Answered

Chosen Option : 4

Q.9  
7 The volume of a given amount of water \_\_\_\_\_ between  $0^{\circ}\text{C}$  to  $4^{\circ}\text{C}$ .

Ans  1. decreases

2. increases

3. remains constant

4. is zero

Question ID : 96234011216

Option 1 ID : 96234044861

Option 2 ID : 96234044864

Option 3 ID : 96234044862

Option 4 ID : 96234044863

Status : Answered

Chosen Option : 1

Q.9  
8 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.  $R$

2.  $3R$

3.  $9R$

4.  $27R$

Question ID : 96234011242

Option 1 ID : 96234044968

Option 2 ID : 96234044967

Option 3 ID : 96234044966

Option 4 ID : 96234044965

Status : Answered

Chosen Option : 3





Q.9 RK Narayan is famous for his book \_\_\_\_\_.

- Ans
- 1. A Suitable Boy
  - 2. Two Lives
  - 3. The Toom on the Roof
  - 4. Malgudi Days

Question ID : 96234011207  
Option 1 ID : 96234044828  
Option 2 ID : 96234044826  
Option 3 ID : 96234044825  
Option 4 ID : 96234044827  
Status : Answered  
Chosen Option : 4

Q.100 Choose the figure that is different from the rest.

Ans

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

Question ID : 96234011296  
Option 1 ID : 96234045184  
Option 2 ID : 96234045183  
Option 3 ID : 96234045182  
Option 4 ID : 96234045181  
Status : Answered  
Chosen Option : 3

Section : Electronics Mechanic

Q.1 Which category of instruments does an ohmmeter fall under?

- Ans
- 1. Moving resistance instrument
  - 2. Dynamometer instrument



3. Moving coil instrument

4. Moving iron instrument

Question ID : 96234011354

Option 1 ID : 96234045415

Option 2 ID : 96234045416

Option 3 ID : 96234045413

Option 4 ID : 96234045414

Status : Answered

Chosen Option : 1

Q.2 A Zener diode is used in \_\_\_\_\_ for voltage regulation.

Ans  1. Forward Bias

2. Short circuit

3. Open circuit

4. Reverse Bias

Question ID : 96234011321

Option 1 ID : 96234045281

Option 2 ID : 96234045284

Option 3 ID : 96234045283

Option 4 ID : 96234045282

Status : Answered

Chosen Option : 1

Q.3 Generally \_\_\_\_\_ is used to construct shift registers.

Ans  1. D flip flop

2. Half Adder

3. Full adder

4. Full Subtractor

Question ID : 96234011315

Option 1 ID : 96234045258

Option 2 ID : 96234045257

Option 3 ID : 96234045259

Option 4 ID : 96234045260

Status : Not Answered

Chosen Option : --

Q.4 Batteries that cannot be recharged and are produced for single use are called?

Ans  1. Super Charged Batteries

2. Lead Acid Batteries

3. Primary Batteries

4. Secondary Batteries

Question ID : 96234011302

Option 1 ID : 96234045206

Option 2 ID : 96234045208

Option 3 ID : 96234045207  
Option 4 ID : 96234045205  
Status : Answered  
Chosen Option : 3

Q.5 \_\_\_\_\_ has a single input and multiple outputs.

- Ans  1. De multiplexer  
 2. Decoder  
 3. Full Adder  
 4. Multiplexer

Question ID : 96234011346  
Option 1 ID : 96234045382  
Option 2 ID : 96234045384  
Option 3 ID : 96234045381  
Option 4 ID : 96234045383  
Status : Answered  
Chosen Option : 1

Q.6 जब बैटरियों को श्रेणीक्रम में जोड़ा जाता है, तो क्या होता है?

- Ans  1. धारिता दोगुनी हो जाती है, वोल्टेज रेटिंग समान रहती है।  
 2.  
वोल्टेज दोगुना हो जाता है, धारिता रेटिंग दोगुनी हो जाती है।  
 3. वोल्टेज समान रहता है, धारिता समान रहती है।  
 4. वोल्टेज दोगुना हो जाता है, धारिता रेटिंग समान रहती है।

Question ID : 96234011307  
Option 1 ID : 96234045226  
Option 2 ID : 96234045227  
Option 3 ID : 96234045228  
Option 4 ID : 96234045225  
Status : Answered  
Chosen Option : 4

Q.7 Carry input is present in which of the following?

- Ans  1. Subtractor  
 2. Comparator  
 3. Half Adder circuit  
 4. Full Adder circuit

Question ID : 96234011309  
Option 1 ID : 96234045236  
Option 2 ID : 96234045235  
Option 3 ID : 96234045234  
Option 4 ID : 96234045233  
Status : Answered  
Chosen Option : 4

Q.8 In a mercury cell, zinc-mercury amalgam is used as an anode and carbon is used as a cathode. A paste of \_\_\_\_\_ is used as an electrolyte.

- Ans
- 1. HgO
  - 2. LiFe
  - 3. H<sub>2</sub>O
  - 4. H<sub>2</sub>SO<sub>4</sub>

Question ID : 96234011304  
Option 1 ID : 96234045214  
Option 2 ID : 96234045216  
Option 3 ID : 96234045213  
Option 4 ID : 96234045215  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

Q.9 The two coil windings of a transformer are \_\_\_\_\_.

- Ans
- 1. electrically and magnetically linked
  - 2. electrically and magnetically isolated
  - 3. electrically connected but magnetically isolated
  - 4. electrically isolated but magnetically linked

Question ID : 96234011328  
Option 1 ID : 96234045312  
Option 2 ID : 96234045310  
Option 3 ID : 96234045311  
Option 4 ID : 96234045309  
Status : **Marked For Review**  
Chosen Option : 4

Q.1  
0 To measure Voltage, Current is passed through \_\_\_\_\_.

- Ans
- 1. a voltmeter
  - 2. a galvanometer
  - 3. a resistor
  - 4. an ammeter

Question ID : 96234011348  
Option 1 ID : 96234045391  
Option 2 ID : 96234045392  
Option 3 ID : 96234045389  
Option 4 ID : 96234045390  
Status : **Answered**  
Chosen Option : 1

Q.1  
1 When a diode is switching from conducting state to blocking state, it has stored charge which needs to be discharged before, it blocks reverse current, this time required is known as \_\_\_\_\_.

- Ans
- 1. Forward Recovery Time

- 2. Reverse Recovery Time
- 3. Forward Conduction time
- 4. Reverse Conduction Time

Question ID : 96234011333  
Option 1 ID : 96234045329  
Option 2 ID : 96234045331  
Option 3 ID : 96234045332  
Option 4 ID : 96234045330  
Status : Not Answered  
Chosen Option : --

Q.1  
2 Ideal regulated power supplies have \_\_\_\_\_ % voltage regulation

- Ans
- 1. 2
  - 2. 7
  - 3. 0
  - 4. 5

Question ID : 96234011320  
Option 1 ID : 96234045279  
Option 2 ID : 96234045280  
Option 3 ID : 96234045278  
Option 4 ID : 96234045277  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.1  
3 The evolution of cell phone standards are from 1G to 5G, what this G indicates?

- Ans
- 1. Gross
  - 2. Generation
  - 3. General
  - 4. Gap

Question ID : 96234011363  
Option 1 ID : 96234045450  
Option 2 ID : 96234045451  
Option 3 ID : 96234045452  
Option 4 ID : 96234045449  
Status : Answered  
Chosen Option : 2

Q.1  
4 A digital multimeter can measure \_\_\_\_\_.

- Ans
- 1. voltage
  - 2. permeance
  - 3. inductance
  - 4. flux

Question ID : 96234011349  
Option 1 ID : 96234045393

Option 2 ID : 96234045396  
Option 3 ID : 96234045395  
Option 4 ID : 96234045394  
Status : Answered  
Chosen Option : 1

Q.1  
5 The output waveform of an integrator in a function generator is \_\_\_\_\_.

- Ans
- 1. Triangular wave
  - 2. Impulse wave
  - 3. Square wave
  - 4. Sine wave

Question ID : 96234011352  
Option 1 ID : 96234045405  
Option 2 ID : 96234045406  
Option 3 ID : 96234045407  
Option 4 ID : 96234045408  
Status : Not Answered  
Chosen Option : --

Q.1  
6 What is the rating used to rate a Transformer?

- Ans
- 1. KV
  - 2. KVAR
  - 3. KVA
  - 4. KW

Question ID : 96234011330  
Option 1 ID : 96234045320  
Option 2 ID : 96234045318  
Option 3 ID : 96234045319  
Option 4 ID : 96234045317  
Status : Answered  
Chosen Option : 3

Q.1  
7 Adder Circuit can be used as a Subtractor circuit by using \_\_\_\_\_.

- Ans
- 1. 1's / 2's Complement
  - 2. Grey code
  - 3. Binary Coded Decimal
  - 4. Comparator

Question ID : 96234011310  
Option 1 ID : 96234045239  
Option 2 ID : 96234045238  
Option 3 ID : 96234045237  
Option 4 ID : 96234045240  
Status : Answered  
Chosen Option : 1

Q.1  
8 Which of the following diodes can be used as Voltage Regulator if used in reverse bias?

- Ans
- 1. Laser Diode
  - 2. Schottky Diode
  - 3. Zener Diode
  - 4. Varactor Diode

Question ID : 96234011335  
Option 1 ID : 96234045338  
Option 2 ID : 96234045337  
Option 3 ID : 96234045340  
Option 4 ID : 96234045339  
Status : Answered  
Chosen Option : 3

Q.1  
9 Which one of the following is not a basic MOSFET device type?

- Ans
- 1. Enhancement P-channel MOSFET
  - 2. Depletion N-channel MOSFET
  - 3. Narrow P-channel MOSFET
  - 4. Enhancement N-channel MOSFET

Question ID : 96234011373  
Option 1 ID : 96234045491  
Option 2 ID : 96234045490  
Option 3 ID : 96234045492  
Option 4 ID : 96234045489  
Status : Not Answered  
Chosen Option : --

Q.2  
0 Which one of the following instrument is used to measure the specific gravity (or relative density) of liquids?

- Ans
- 1. Multi-meter
  - 2. Hydrometer
  - 3. Galvanometer
  - 4. Thermometer

Question ID : 96234011306  
Option 1 ID : 96234045224  
Option 2 ID : 96234045223  
Option 3 ID : 96234045222  
Option 4 ID : 96234045221  
Status : Answered  
Chosen Option : 2

Q.2  
1 In LCD TV, what is the full form of LCD?

- Ans
- 1. Liquid Crystal Display
  - 2. Light Controlled Display
  - 3. Light Controlled Diode

**X** 4. Liquid Crystal Diode

Question ID : 96234011366  
Option 1 ID : 96234045462  
Option 2 ID : 96234045464  
Option 3 ID : 96234045461  
Option 4 ID : 96234045463  
Status : Answered  
Chosen Option : 1

Q.2 The \_\_\_\_\_ is a device that is able to sense light levels and alter the current flowing between emitter and collector  
2 according to the level of light it receives.

- Ans
- X** 1. Resistor
  - ✓** 2. Phototransistor
  - X** 3. Power transistor
  - X** 4. IR LED

Question ID : 96234011338  
Option 1 ID : 96234045350  
Option 2 ID : 96234045351  
Option 3 ID : 96234045352  
Option 4 ID : 96234045349  
Status : Answered  
Chosen Option : 3

Q.2 The capability of a power supply to maintain constant voltage or current at the output despite change in supply's load is  
3 known as \_\_\_\_\_.

- Ans
- X** 1. Input Regulation
  - X** 2. Line Regulation
  - ✓** 3. Load Regulation
  - X** 4. Source Regulation

Question ID : 96234011322  
Option 1 ID : 96234045286  
Option 2 ID : 96234045287  
Option 3 ID : 96234045288  
Option 4 ID : 96234045285  
Status : Not Answered  
Chosen Option : --

Q.2 The IR LED sends out light with wavelengths \_\_\_\_\_ visible light.  
4

- Ans
- X** 1. Parallel to the
  - X** 2. Shorter than
  - ✓** 3. Longer than
  - X** 4. Similar to the

Question ID : 96234011337  
Option 1 ID : 96234045348  
Option 2 ID : 96234045346  
Option 3 ID : 96234045345

Option 4 ID : 96234045347  
Status : Not Answered  
Chosen Option : --

Q.2  
5 Which one of the below is not the application of shift register?

- Ans
- 1. Serial to parallel
  - 2. Analog to Digital
  - 3. Parallel to serial
  - 4. Data storage

Question ID : 96234011358  
Option 1 ID : 96234045429  
Option 2 ID : 96234045431  
Option 3 ID : 96234045430  
Option 4 ID : 96234045432  
Status : Answered  
Chosen Option : 4

Q.2  
6 Solar panels convert sun light into electricity based on the principle of \_\_\_\_\_.

- Ans
- 1. Electromagnetic radiation
  - 2. Photovoltaic effect
  - 3. Radio emission
  - 4. Heat conduction

Question ID : 96234011369  
Option 1 ID : 96234045474  
Option 2 ID : 96234045475  
Option 3 ID : 96234045473  
Option 4 ID : 96234045476  
Status : Answered  
Chosen Option : 2

Q.2  
7 What is the long form of LVDT?

- Ans
- 1. Linear Voltage Defined Transformer
  - 2. Linear Variable Differential Transformer
  - 3. Low Voltage Differential Transducer
  - 4. Low Variable Defined Transducer

Question ID : 96234011362  
Option 1 ID : 96234045447  
Option 2 ID : 96234045445  
Option 3 ID : 96234045448  
Option 4 ID : 96234045446  
Status : Answered  
Chosen Option : 2

Q.2  
8 Lead acid batteries consist of flat lead plates immersed in a pool of \_\_\_\_\_.



- Ans
- 1. Ferrous Sulfate
  - 2. Water
  - 3. Electrolyte
  - 4. Polymer

Question ID : 96234011301  
Option 1 ID : 96234045204  
Option 2 ID : 96234045202  
Option 3 ID : 96234045201  
Option 4 ID : 96234045203  
Status : Answered  
Chosen Option : 3

Q.2 \_\_\_\_\_ is an application of electronic devices and systems that source, detect and control light,

- Ans
- 1. Microelectronics
  - 2. Thermodynamics
  - 3. Power devices
  - 4. Optoelectronics

Question ID : 96234011341  
Option 1 ID : 96234045361  
Option 2 ID : 96234045363  
Option 3 ID : 96234045364  
Option 4 ID : 96234045362  
Status : Answered  
Chosen Option : 4

Q.3 When capacitors are connected in parallel, the total capacitance is the \_\_\_\_\_ of the individual capacitances.

- Ans
- 1. multiplication
  - 2. division
  - 3. sum
  - 4. difference

Question ID : 96234011344  
Option 1 ID : 96234045376  
Option 2 ID : 96234045375  
Option 3 ID : 96234045373  
Option 4 ID : 96234045374  
Status : Answered  
Chosen Option : 3

Q.3 A \_\_\_\_\_ is a device that emits light through a process of optical amplification based on the stimulated emission of electromagnetic radiation.

- Ans
- 1. Diode
  - 2. Laser
  - 3. Resistor
  - 4. Transistor

Question ID : 96234011340

Option 1 ID : 96234045358

Option 2 ID : 96234045360

Option 3 ID : 96234045357

Option 4 ID : 96234045359

Status : Answered

Chosen Option : 2

Q.3 Which device can detect a physical quantity and convert it into an electrical signal?

2

- Ans
- 1. Transmitter
  - 2. Actuator
  - 3. Sensor
  - 4. Receiver

Question ID : 96234011372

Option 1 ID : 96234045485

Option 2 ID : 96234045486

Option 3 ID : 96234045487

Option 4 ID : 96234045488

Status : Answered

Chosen Option : 3

Q.3 Identify the temperature sensor which is not used in process industries.

3

- Ans
- 1. RTD
  - 2. thermistor
  - 3. Thermocouple
  - 4. piezoelectric

Question ID : 96234011361

Option 1 ID : 96234045441

Option 2 ID : 96234045443

Option 3 ID : 96234045442

Option 4 ID : 96234045444

Status : Not Answered

Chosen Option : --

Q.3 For a design of (16:1) multiplexer, how many select lines will be required?

4

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

Question ID : 96234011356

Option 1 ID : 96234045421

Option 2 ID : 96234045423

Option 3 ID : 96234045424

Option 4 ID : 96234045422

Status : Answered

Chosen Option : 3

Q.3  
5 Which instrument is used to measure the insulation resistance of an electric circuit relative to earth?

- Ans
- 1. Megger
  - 2. Ammeter
  - 3. Potential Transformer
  - 4. Voltmeter

Question ID : 96234011353  
Option 1 ID : 96234045412  
Option 2 ID : 96234045409  
Option 3 ID : 96234045411  
Option 4 ID : 96234045410  
Status : Answered  
Chosen Option : 1

Q.3  
6 Race Around condition can be avoided in Digital logic circuits using \_\_\_\_\_.

- Ans
- 1. Shift Register
  - 2. Full Adder
  - 3. Master Slave JK Flip Flop
  - 4. AND Gate

Question ID : 96234011314  
Option 1 ID : 96234045255  
Option 2 ID : 96234045253  
Option 3 ID : 96234045254  
Option 4 ID : 96234045256  
Status : Not Answered  
Chosen Option : --

Q.3  
7 Toggle condition is present in which of the following?

- Ans
- 1. D Flip Flop
  - 2. Clocked SR Flip Flop
  - 3. SR Latch
  - 4. JK Flip Flop

Question ID : 96234011313  
Option 1 ID : 96234045252  
Option 2 ID : 96234045250  
Option 3 ID : 96234045249  
Option 4 ID : 96234045251  
Status : Not Answered  
Chosen Option : --

Q.3  
8 For which of the following diodes when the voltage is increased the current flowing through it decreases?

- Ans
- 1. Tunnel Diode
  - 2. Schottky Diode
  - 3. Laser Diode

4. Gunn Diode

Question ID : 96234011334  
Option 1 ID : 96234045336  
Option 2 ID : 96234045335  
Option 3 ID : 96234045334  
Option 4 ID : 96234045333  
Status : Not Answered  
Chosen Option : --

Q.3  
9 Generally, wiring a solar controller to a battery storage station is done using a \_\_\_\_\_.

- Ans  1. Coaxial cable  
 2. Twisted cable  
 3. AWG cable  
 4. waveguide

Question ID : 96234011368  
Option 1 ID : 96234045470  
Option 2 ID : 96234045469  
Option 3 ID : 96234045471  
Option 4 ID : 96234045472  
Status : Answered  
Chosen Option : 3

Q.4  
0 As the frequency increases, the impedance of the inductor \_\_\_\_\_.

- Ans  1. decreases  
 2. remains same  
 3. increases  
 4. is zero

Question ID : 96234011343  
Option 1 ID : 96234045370  
Option 2 ID : 96234045371  
Option 3 ID : 96234045369  
Option 4 ID : 96234045372  
Status : Answered  
Chosen Option : 3

Q.4  
1 What is the peak reverse voltage of a diode?

- Ans  1.  
The maximum amount of voltage the diode can withstand in Forward-bias  
 2.  
The maximum amount of voltage the diode can withstand in reverse-bias  
 3. The forward voltage drop of a diode  
 4. The internal voltage drop of a diode

Question ID : 96234011332  
Option 1 ID : 96234045327

Option 2 ID : 96234045326  
Option 3 ID : 96234045328  
Option 4 ID : 96234045325  
Status : Answered  
Chosen Option : 2

Q.4  
2 Which is not related to the counter circuit design?

- Ans
- 1. Karnaugh maps
  - 2. Erlang's table
  - 3. Excitation table
  - 4. State table

Question ID : 96234011357  
Option 1 ID : 96234045428  
Option 2 ID : 96234045425  
Option 3 ID : 96234045427  
Option 4 ID : 96234045426  
Status : Not Answered  
Chosen Option : --

Q.4  
3 The internal  $V_{ref}$  voltage of IC723 is

- Ans
- 1. 9 V
  - 2. 11 V
  - 3. 7 V
  - 4. 2 V

Question ID : 96234011325  
Option 1 ID : 96234045300  
Option 2 ID : 96234045299  
Option 3 ID : 96234045297  
Option 4 ID : 96234045298  
Status : Not Answered  
Chosen Option : --

Q.4  
4 Generation of light in LED is based on which principle?

- Ans
- 1. Stimulated emission
  - 2. Spontaneous emission
  - 3. Spontaneous absorption
  - 4. Stimulated absorption

Question ID : 96234011365  
Option 1 ID : 96234045457  
Option 2 ID : 96234045460  
Option 3 ID : 96234045459  
Option 4 ID : 96234045458  
Status : Answered  
Chosen Option : 1

5 A table which will help to understand behavior of logic gates is known as \_\_\_\_\_.

- Ans
- 1. Matrix
  - 2. Parameter
  - 3. Gates
  - 4. Truth table

Question ID : 96234011355  
Option 1 ID : 96234045417  
Option 2 ID : 96234045418  
Option 3 ID : 96234045420  
Option 4 ID : 96234045419  
Status : Answered  
Chosen Option : 4

Q.4 The lead storage battery consists of a lead anode and the cathode is a lead grid packed with lead dioxide. \_\_\_\_\_ is used as an electrolyte.

- Ans
- 1. Nitric acid
  - 2. Picric acid
  - 3. Boric acid
  - 4. Sulfuric acid

Question ID : 96234011305  
Option 1 ID : 96234045219  
Option 2 ID : 96234045217  
Option 3 ID : 96234045218  
Option 4 ID : 96234045220  
Status : Answered  
Chosen Option : 4

Q.4 \_\_\_\_\_ is defined as the number of cycles per second.

- Ans
- 1. RMS value
  - 2. Instantaneous Value
  - 3. Voltage
  - 4. Frequency

Question ID : 96234011319  
Option 1 ID : 96234045275  
Option 2 ID : 96234045276  
Option 3 ID : 96234045274  
Option 4 ID : 96234045273  
Status : Answered  
Chosen Option : 4

Q.4 What is “transformer turns ratio”?

- Ans
- 1. The ratio of primary current to secondary flux
  - 2. The ratio of primary voltage to secondary current
  - 3. The ratio of primary turns to secondary turns

4. The ratio of primary Flux to secondary voltage

Question ID : 96234011327

Option 1 ID : 96234045307

Option 2 ID : 96234045305

Option 3 ID : 96234045308

Option 4 ID : 96234045306

Status : Answered

Chosen Option : 3

Q.4  
9 Electrons are \_\_\_\_\_ charged

Ans  1. Positively

2. Negatively

3. Neutrally

4. Dually

Question ID : 96234011318

Option 1 ID : 96234045269

Option 2 ID : 96234045270

Option 3 ID : 96234045271

Option 4 ID : 96234045272

Status : Answered

Chosen Option : 2

Q.5  
0 Which of the following is not the type of inductor?

Ans  1. Carbon core

2. Iron core

3. Thin film

4. Air core

Question ID : 96234011367

Option 1 ID : 96234045467

Option 2 ID : 96234045465

Option 3 ID : 96234045468

Option 4 ID : 96234045466

Status : Answered

Chosen Option : 2

Q.5  
1 Opto coupler provides \_\_\_\_\_ between electrical signals or elements of a circuit.

Ans  1. Conduction

2. Isolation

3. Vacuum

4. Thermal conduction

Question ID : 96234011339

Option 1 ID : 96234045354

Option 2 ID : 96234045353

Option 3 ID : 96234045356

Option 4 ID : 96234045355  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.5  
2 How many terminals does a 7805 IC have

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

Question ID : 96234011323  
Option 1 ID : 96234045290  
Option 2 ID : 96234045291  
Option 3 ID : 96234045289  
Option 4 ID : 96234045292  
Status : Not Answered  
Chosen Option : --

Q.5  
3 What are Ohmic Losses in a Transformer?

- Ans
- 1. The losses generated due to variation in current passing through the windings
  - 2. The losses generated due to variation in flux passing through the windings
  - 3. Iron Loss
  - 4. The losses due to varying electric field

Question ID : 96234011329  
Option 1 ID : 96234045314  
Option 2 ID : 96234045313  
Option 3 ID : 96234045315  
Option 4 ID : 96234045316  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.5  
4 Which type of a combinational circuit is used to convert, multiple inputs to single output?

- Ans
- 1. Multiplexer
  - 2. Demultiplexer
  - 3. Decoder
  - 4. Counter

Question ID : 96234011350  
Option 1 ID : 96234045399  
Option 2 ID : 96234045400  
Option 3 ID : 96234045398  
Option 4 ID : 96234045397  
Status : Answered  
Chosen Option : 1



5 Which of the following is a Basic 4 bit Adder IC?

- Ans
- 1. IC 741
  - 2. IC 7400
  - 3. IC 7483
  - 4. IC 7415

Question ID : 96234011311  
Option 1 ID : 96234045244  
Option 2 ID : 96234045243  
Option 3 ID : 96234045241  
Option 4 ID : 96234045242  
Status : Not Answered  
Chosen Option : --

Q.5  
6 Which of the following is a 4 bit Comparator IC?

- Ans
- 1. IC 7485
  - 2. IC 7805
  - 3. IC 555
  - 4. IC 7400

Question ID : 96234011312  
Option 1 ID : 96234045247  
Option 2 ID : 96234045245  
Option 3 ID : 96234045248  
Option 4 ID : 96234045246  
Status : Not Answered  
Chosen Option : --

Q.5  
7 \_\_\_\_\_ is defined as the property of the coil due to which it opposes the change of current flowing through it.

- Ans
- 1. Mutual - inductance
  - 2. Self - inductance
  - 3. Toroidal inductor
  - 4. Air Core inductor

Question ID : 96234011342  
Option 1 ID : 96234045366  
Option 2 ID : 96234045367  
Option 3 ID : 96234045368  
Option 4 ID : 96234045365  
Status : Not Answered  
Chosen Option : --

Q.5  
8 What type of Flip Flop is used in Counters?

- Ans
- 1. Full Adder
  - 2. SR Flip Flop
  - 3. T Flip Flop
  - 4. Comparator

Question ID : 96234011316  
Option 1 ID : 96234045264  
Option 2 ID : 96234045262  
Option 3 ID : 96234045263  
Option 4 ID : 96234045261  
Status : Not Answered  
Chosen Option : --

Q.5  
9 Which of the following IC is an BCD to Seven Segment Display decoder

- Ans
- 1. IC 74138
  - 2. IC 741
  - 3. IC 7447
  - 4. IC 7400

Question ID : 96234011317  
Option 1 ID : 96234045268  
Option 2 ID : 96234045266  
Option 3 ID : 96234045265  
Option 4 ID : 96234045267  
Status : Not Answered  
Chosen Option : --

Q.6  
0 How many 16 bit registers are there in 8051?

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

Question ID : 96234011375  
Option 1 ID : 96234045499  
Option 2 ID : 96234045500  
Option 3 ID : 96234045498  
Option 4 ID : 96234045497  
Status : Not Answered  
Chosen Option : --

Q.6  
1 Multi - vibrators can be used to produce which type of signals?

- Ans
- 1. Triangular wave
  - 2. Impulse
  - 3. Sine wave
  - 4. Square wave

Question ID : 96234011351  
Option 1 ID : 96234045401  
Option 2 ID : 96234045402  
Option 3 ID : 96234045404  
Option 4 ID : 96234045403  
Status : Not Answered  
Chosen Option : --

Q.6 Isolation Transformers Block transmission of which of the below mentioned component in a signal from one circuit to another

- Ans  1. DC Component  
 2. Capacitive Component  
 3. AC Component  
 4. Inductive Component

Question ID : 96234011326  
Option 1 ID : 96234045303  
Option 2 ID : 96234045304  
Option 3 ID : 96234045301  
Option 4 ID : 96234045302  
Status : Answered  
Chosen Option : 1

Q.6 The Output is dependent only on present input?

- Ans  1. Combinational Circuits  
 2. Analog Circuits  
 3. Flip Flops  
 4. Sequential Circuits

Question ID : 96234011308  
Option 1 ID : 96234045230  
Option 2 ID : 96234045229  
Option 3 ID : 96234045232  
Option 4 ID : 96234045231  
Status : Not Answered  
Chosen Option : --

Q.6 एक आदर्श अर्द्ध तरंग दिष्टकारी (हाफ वेव रेक्टिफायर) का नो-लोड आउटपुट वोल्टेज \_\_\_\_\_ होता है।

- Ans  1.  $V_{\text{peak}} = V_{\text{rms}}/2$   
 2.  $V_{\text{peak}} = V_{\text{rms}}/4$   
 3.  $V_{\text{rms}} = V_{\text{peak}}/2$   
 4.  $V_{\text{rms}} = V_{\text{peak}}/4$

Question ID : 96234011331  
Option 1 ID : 96234045323  
Option 2 ID : 96234045324  
Option 3 ID : 96234045321  
Option 4 ID : 96234045322  
Status : Not Answered  
Chosen Option : --

Q.6 Define e - waste.

- Ans  1. Easy waste

- 2. Environmental waste
- 3. Electricity waste
- 4. Electronic waste

Question ID : 96234011364  
Option 1 ID : 96234045455  
Option 2 ID : 96234045456  
Option 3 ID : 96234045453  
Option 4 ID : 96234045454  
Status : Answered  
Chosen Option : 4

Q.6  
6 SMD stands for

- Ans
- 1. Small material diameter
  - 2. Small medium design
  - 3. Small medium device
  - 4. Surface mount device

Question ID : 96234011359  
Option 1 ID : 96234045436  
Option 2 ID : 96234045435  
Option 3 ID : 96234045434  
Option 4 ID : 96234045433  
Status : Not Answered  
Chosen Option : --

Q.6  
7 The size of internal RAM of 8051 Microcontroller is \_\_\_\_\_.

- Ans
- 1. 128 Bytes
  - 2. 16 Bytes
  - 3. 64 Bytes
  - 4. 256 Bytes

Question ID : 96234011374  
Option 1 ID : 96234045496  
Option 2 ID : 96234045493  
Option 3 ID : 96234045494  
Option 4 ID : 96234045495  
Status : Not Answered  
Chosen Option : --

Q.6  
8 Dry cell is a \_\_\_\_\_.

- Ans
- 1. Lithium polymer battery
  - 2. Zinc-carbon battery
  - 3. Salt water battery
  - 4. Lead acid battery

Question ID : 96234011303

Option 1 ID : 96234045212

Option 2 ID : 96234045209

Option 3 ID : 96234045211

Option 4 ID : 96234045210

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

Chosen Option : --

Q.6 In astable multivibrator using IC555 timer design, the duty cycle D is given by \_\_\_\_\_.

- Ans
- 1.  $T_{off} / T_{on}$
  - 2.  $T_{on} / (T_{on} + T_{off})$
  - 3.  $(T_{on} + T_{off}) / T_{on}$
  - 4.  $T_{on} / T_{off}$

Question ID : 96234011371

Option 1 ID : 96234045484

Option 2 ID : 96234045481

Option 3 ID : 96234045483

Option 4 ID : 96234045482

Status : **Not Answered**

Chosen Option : --

Q.7 The RC time constant is also called as \_\_\_\_\_.

- Ans
- 1.  $\beta$
  - 2.  $\alpha$
  - 3.  $\gamma$
  - 4.  $\tau$

Question ID : 96234011345

Option 1 ID : 96234045379

Option 2 ID : 96234045377

Option 3 ID : 96234045380

Option 4 ID : 96234045378

Status : **Marked For Review**

Chosen Option : 4

Q.7 Identify the circuit which is not the application of op-amp.

- Ans
- 1. Mixer
  - 2. Differentiator
  - 3. Integrator
  - 4. Comparator

Question ID : 96234011370

Option 1 ID : 96234045480

Option 2 ID : 96234045478

Option 3 ID : 96234045479

Option 4 ID : 96234045477

Status : **Not Answered**

Chosen Option : --

Q.7 The minimum voltage required across a linear voltage regulator to maintain regulation is known as \_\_\_\_\_.

2

- Ans
- 1. Output voltage
  - 2. Input voltage
  - 3. Load voltage
  - 4. Dropout voltage

Question ID : 96234011324

Option 1 ID : 96234045293

Option 2 ID : 96234045296

Option 3 ID : 96234045295

Option 4 ID : 96234045294

Status : Not Answered

Chosen Option : --

Q.7 Select the component which is not an example of passive SMD component.

3

- Ans
- 1. Thick film resistor
  - 2. Tantalum capacitor
  - 3. Diode
  - 4. Ceramic capacitor

Question ID : 96234011360

Option 1 ID : 96234045440

Option 2 ID : 96234045438

Option 3 ID : 96234045439

Option 4 ID : 96234045437

Status : Answered

Chosen Option : 3

Q.7 LED is a \_\_\_\_\_ junction diode that emits light when activated.

4

- Ans
- 1. n-p-n
  - 2. p-n
  - 3. n-p
  - 4. p-n-p

Question ID : 96234011336

Option 1 ID : 96234045343

Option 2 ID : 96234045342

Option 3 ID : 96234045341

Option 4 ID : 96234045344

Status : Not Answered

Chosen Option : --

Q.7 In 3:8 line decoder one of the eight output bits is activated, depending on which of the following parameters

5

- Ans
- 1. Input Values from 0 to 7
  - 2. Next State output

3. Previous output

4. Clock input

Question ID : 96234011347

Option 1 ID : 96234045385

Option 2 ID : 96234045388

Option 3 ID : 96234045386

Option 4 ID : 96234045387

Status : **Not Answered**

Chosen Option : --

