



RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

2nd 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:	Part A and Exam Trade : Electronics Mechanic

- 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⁻¹K⁻¹)?

- 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

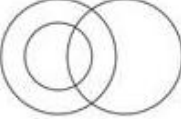
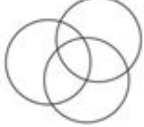
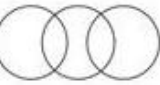
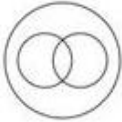
Option 4 ID : 96234044930

Status : **Answered**

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

0

Ans

- ✗ 1. 
- ✓ 2. 
- ✗ 3. 
- ✗ 4. 

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

✗ 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:

Ans ✗ 1. 6%

✗ 2. 1%

✗ 3. 8%

✓ 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?

Ans ✗ 1. F is 18 km west of E

✓ 2. F is 18 km east of E

✗ 3. F is 4 km east of E

✗ 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°F is equal to _____.

Ans ✓ 1. 30°C

✗ 2. 20°C

✗ 3. 10°C

✗ 4. 34°C

Question ID : 96234011227

Option 1 ID : 96234044907

Option 2 ID : 96234044906

Option 3 ID : 96234044905

Option 4 ID : 96234044908

Q.1 In an examination, the highest score and the lowest score differed by 55 and the higher one was 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

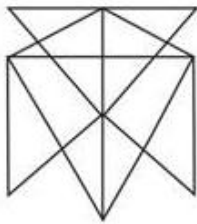
Option 3 ID : 96234045116

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

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 cm²
 - ☒ 2. 616 cm²
 - ☒ 3. 154 cm²
 - ☒ 4. 308 cm²

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 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. 3.42 kJ/s
☒ 3. 2.32 kJ/s
☒ 4. 4.36 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

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.
OOOOOX, OOOOXX, OOOXXX, OOXXXX, ?

Ans ☒ 1. OXXXXX

☒ 2. OOXXXX

☒ 3. OOOXXXX

☒ 4. XXXXXX

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

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

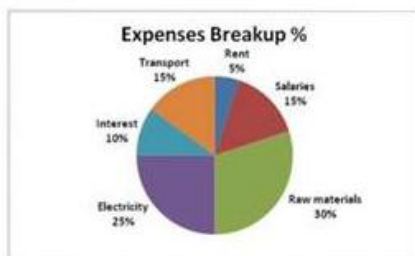
Option 3 ID : 96234044948

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 सहायता को भी संदर्भित करता है?

- Ans ☒ 1. तथ्य (डेटम)
- ☒ 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 Ω और 20 Ω को श्रृंखला (सीरीज) में जोड़ा जाता है और इस संयोजन में वोल्टेज आपूर्ति 30 V दी जाती है। 10 Ω 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

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

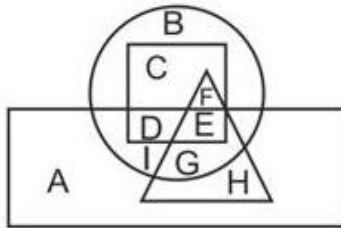
Option 4 ID : 96234044896

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?

- 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?

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

Question ID : 96234011256

Option 1 ID : 96234045024

Option 2 ID : 96234045022

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 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. 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

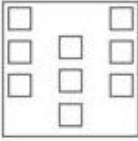
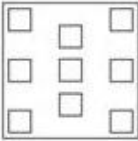
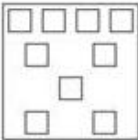
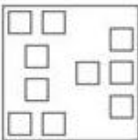
Option 4 ID : 96234045014

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°C to 4°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

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. H₂O
☒ 4. H₂SO₄

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.10 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.11 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

☒ 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 according to the level of light it receives.

- Ans ☒ 1. Resistor
☒ 2. Phototransistor
☒ 3. Power transistor
☒ 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 known as _____.

- Ans ☒ 1. Input Regulation
☒ 2. Line Regulation
☒ 3. Load Regulation
☒ 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.

- Ans ☒ 1. Parallel to the
☒ 2. Shorter than
☒ 3. Longer than
☒ 4. Similar to the

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

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

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. $V_{peak} = V_{rms}/2$
☒ 2. $V_{peak} = V_{rms}/4$
☒ 3. $V_{rms} = V_{peak}/2$
☒ 4. $V_{rms} = V_{peak}/4$

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. β
 - ☒ 2. α
 - ☒ 3. γ
 - ☒ 4. τ

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 : --

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