



RAILWAY RECRUITMENT BOARDS
रेलवे भर्ती बोर्ड

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

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	23/01/2019
Test Time:	8:30 AM - 11:00 AM
Subject:	Part A and Exam Trade : Electronics Mechanic

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

Section : Part A

Q.1 If A \$ B means A is the husband of B, A # B means A is the brother of B and A * B means A is the mother of B, then what does P \$ Q * R # S mean?

- Ans
- 1. P is the brother of S
 - 2. P is the son of S
 - 3. P is the brother-in-law of S
 - 4. P is the father of S

Question ID : 54335318253
Option 1 ID : 54335373269
Option 2 ID : 54335373268
Option 3 ID : 54335373270
Option 4 ID : 54335373271
Status : Marked For Review
Chosen Option : 1

Q.2 Find the power (in W) of a pump if it can lift 1 tonne of water by 90 m in 30 minutes. (Assume 100% efficiency and use $g = 10 \text{ m/s}^2$)

- Ans
- 1. 250
 - 2. 50
 - 3. 500
 - 4. 25

Question ID : 54335318180
Option 1 ID : 54335372977
Option 2 ID : 54335372976
Option 3 ID : 54335372979
Option 4 ID : 54335372978
Status : Marked For Review
Chosen Option : 2

Q.3 The National Skills Development Corporation (NSDC) is a public-private partnership formed under India's _____.

- Ans
- 1. Ministry of Corporate Affairs
 - 2. Ministry of Electronics & Information Technology

✗ 3. Ministry of Science & Technology

✓ 4. Ministry of Finance

Question ID : 54335318172

Option 1 ID : 54335372947

Option 2 ID : 54335372945

Option 3 ID : 54335372946

Option 4 ID : 54335372944

Status : Marked For Review

Chosen Option : 3

Q.4 Find mass of an iron cube of side 2 cm. (Density of iron is 7.8 gm/cm^3)

Ans ✗ 1. 3.9 gm

✗ 2. 0.975 gm

✓ 3. 62.4 gm

✗ 4. 15.6 gm

Question ID : 54335318185

Option 1 ID : 54335372998

Option 2 ID : 54335372996

Option 3 ID : 54335372997

Option 4 ID : 54335372999

Status : Marked For Review

Chosen Option : 4

Q.5 One statement is given, followed by two assumptions, I & II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given assumptions can definitely be drawn from the given statement.

Statement: "You are appointed as a trainee accountant on temporary basis. Your employment status will automatically be converted to permanent on submission of pass result of M Com final exam." – Extract from an appointment letter.

Assumptions:

I. M Com final exam is a reasonable proof of an accountant's capability.

II. All trainees are appointed on temporary basis.

Ans ✗ 1. Both I and II are implicit

✗ 2. Neither I nor II is implicit

✓ 3. Only assumption I is implicit

✗ 4. Only assumption II is implicit

Question ID : 54335318263

Option 1 ID : 54335373311

Option 2 ID : 54335373310

Option 3 ID : 54335373308

Option 4 ID : 54335373309

Status : Marked For Review

Chosen Option : 1

Q.6 In a steady-flowing river, a boat goes a certain distance upstream at a speed of 12 km/h and comes back the same distance at 24 km/h. Find the average speed for the total journey.

Ans ✓ 1. 16 km/h

✗ 2. 15 km/h

✗ 3. 20 km/h

✗ 4. 18 km/h

Question ID : 54335318232

Option 1 ID : 54335373184
Option 2 ID : 54335373187
Option 3 ID : 54335373186
Option 4 ID : 54335373185
Status : Marked For Review
Chosen Option : 3

Q.7 _____ वह स्थिति है, जब हम किसी सतह को समतल आकृतियों के पैटर्न से इस प्रकार ढकते हैं, ताकि कोई ओवरलैप या रिक्त स्थान (गैप) न हो।

- Ans
- 1. ग्रेडिएंट
 - 2. कर्निंग
 - 3. टेसेलेशन
 - 4. ट्रैकिंग

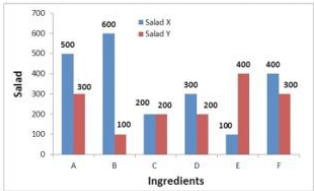
Question ID : 54335318192
Option 1 ID : 54335373027
Option 2 ID : 54335373024
Option 3 ID : 54335373026
Option 4 ID : 54335373025
Status : Marked For Review
Chosen Option : 4

Q.8 Find the efficiency of a pulley system which has a mechanical advantage of 2.5 and where the load lifts by 2.5 meters on pulling the rope by 10 m.

- Ans
- 1. 62.50%
 - 2. 100.00%
 - 3. 25.00%
 - 4. 40.00%

Question ID : 54335318207
Option 1 ID : 54335373087
Option 2 ID : 54335373084
Option 3 ID : 54335373085
Option 4 ID : 54335373086
Status : Marked For Review
Chosen Option : 3

Q.9 The bar graph shows all the ingredients (in grams) required to make two types of salads, X and Y. If Ingredient B of Salad X is reduced by 100 grams and Ingredient E of salad Y is increased by 25% then salad Y would be lighter than salad X by _____.



- Ans
- 1. 22.50%
 - 2. 20%
 - 3. 37.50%
 - 4. 25%

Question ID : 54335318265
Option 1 ID : 54335373319
Option 2 ID : 54335373318
Option 3 ID : 54335373317
Option 4 ID : 54335373316

Status : **Marked For Review**
Chosen Option : 2

Q.1 0 If the speed of a car increases from 54 km/hr to 90 km/hr, its kinetic energy would increase in the ratio _____.

- Ans
- ☒ 1. 9/16
 - ☒ 2. 9/25
 - ☒ 3. 4/9
 - ☒ 4. 3/5

Question ID : 54335318199
Option 1 ID : 54335373054
Option 2 ID : 54335373055
Option 3 ID : 54335373053
Option 4 ID : 54335373052
Status : **Marked For Review**
Chosen Option : 2

Q.1 1 Which of the following recipients of the Dadasaheb Phalke Award received it posthumously?

- Ans
- ☒ 1. Vinod Khanna
 - ☒ 2. Naushad
 - ☒ 3. Durga Khote
 - ☒ 4. Satyajit Ray

Question ID : 54335318173
Option 1 ID : 54335372950
Option 2 ID : 54335372948
Option 3 ID : 54335372949
Option 4 ID : 54335372951
Status : **Marked For Review**
Chosen Option : 1

Q.1 2 The Umaid Bhawan Palace is in which city?

- Ans
- ☒ 1. Jodhpur
 - ☒ 2. Udaipur
 - ☒ 3. Bikaner
 - ☒ 4. Jaipur

Question ID : 54335318177
Option 1 ID : 54335372967
Option 2 ID : 54335372964
Option 3 ID : 54335372966
Option 4 ID : 54335372965
Status : **Marked For Review**
Chosen Option : 4

Q.1 3 If $3A = 6B = 7C$; find $A : B : C$.

- Ans
- ☒ 1. 7 : 12 : 6
 - ☒ 2. 12 : 7 : 3
 - ☒ 3. 7 : 3 : 12
 - ☒ 4. 14 : 7 : 6

Question ID : 54335318226

Option 1 ID : 54335373160
Option 2 ID : 54335373163
Option 3 ID : 54335373162
Option 4 ID : 54335373161
Status : **Marked For Review**
Chosen Option : 3

Q.1 4 The Living Planet Report, released every two years, is the flagship publication of which organisation?

- Ans
- ☒ 1. Conservation International
 - ☒ 2. World Wide Fund for Nature
 - ☒ 3. The Nature Conservancy
 - ☒ 4. Wildlife Conservation Society

Question ID : 54335318171
Option 1 ID : 54335372943
Option 2 ID : 54335372942
Option 3 ID : 54335372940
Option 4 ID : 54335372941
Status : **Marked For Review**
Chosen Option : 2

Q.1 5 To _____ is to prepare a storage medium, usually a disk, for reading and writing.

- Ans
- ☒ 1. map
 - ☒ 2. boot
 - ☒ 3. format
 - ☒ 4. defrag

Question ID : 54335318219
Option 1 ID : 54335373134
Option 2 ID : 54335373132
Option 3 ID : 54335373135
Option 4 ID : 54335373133
Status : **Answered**
Chosen Option : 3

Q.1 6 A alone can do a task in 35 days and B alone in 14 days. If they work on it together for 5 days, then what fraction of the task is left?

- Ans
- ☒ 1. Three fourths
 - ☒ 2. Half
 - ☒ 3. Quarter
 - ☒ 4. One-thirds

Question ID : 54335318230
Option 1 ID : 54335373177
Option 2 ID : 54335373179
Option 3 ID : 54335373176
Option 4 ID : 54335373178
Status : **Marked For Review**
Chosen Option : 2

Q.1 7 Pipe A can fill a tank in 6 hours. Pipe B can empty it in 15 hours. If both the pipes are opened together, then the tank will be filled in how many hours?

- Ans
- ☒ 1. 9
 - ☒ 2. 12

✓ 3. 10
✗ 4. 8

Question ID : 54335318244
Option 1 ID : 54335373233
Option 2 ID : 54335373235
Option 3 ID : 54335373234
Option 4 ID : 54335373232
Status : Marked For Review
Chosen Option : 2

Q.1 Two resistors of $R\ \Omega$ and $60\ \Omega$ are connected in parallel to get an effective resistance of $24\ \Omega$. Find R .

Ans ✗ 1. 48
✗ 2. 56
✓ 3. 40
✗ 4. 64

Question ID : 54335318204
Option 1 ID : 54335373072
Option 2 ID : 54335373073
Option 3 ID : 54335373074
Option 4 ID : 54335373075
Status : Marked For Review
Chosen Option : 3

Q.1 वर्तमान में, अनु और डिम्पी की उम्र के बीच का अनुपात 5 : 8 है। 2 साल बाद, उनकी उम्र का अनुपात 2 : 3 हो जाएगा। 2 साल पहले डिंपी की उम्र क्या थी?

Ans ✗ 1. 16
✗ 2. 10
✓ 3. 14
✗ 4. 12

Question ID : 54335318242
Option 1 ID : 54335373225
Option 2 ID : 54335373226
Option 3 ID : 54335373224
Option 4 ID : 54335373227
Status : Marked For Review
Chosen Option : 3

Q.2 The sentences given in the question, which, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter. Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

Outside their window there was a vine with attractive foliage, but it started shedding leaves one by one as summer passed through fall into winter.

A - Came dawn, when Johnsy looked out of the window from her sick bed, lo and behold, the leaf was still there and it continued to be there on the following days.

B - Finally, only one last leaf remained. Johnsy told Sue that when that leaf fell, her life would also go.

C - The girl regained her will to live and was fully recovered in a few days.

D - A concerned elderly artist friend of the girls, hearing this story, climbed outside the window in the bitterly cold night and painted a life-like leaf at the spot from where the last leaf had just fallen.

Ans ✓ 1. BDAC
✗ 2. DBAC
✗ 3. DBCA
✗ 4. BDCA

Question ID : 54335318267

Option 1 ID : 54335373324
Option 2 ID : 54335373326
Option 3 ID : 54335373327
Option 4 ID : 54335373325
Status : **Marked For Review**
Chosen Option : 1

Q.2
1 Green and yellow vegetables in our diet mostly provide us which element as food?

- Ans
- ☒ 1. Copper
 - ☒ 2. Sodium
 - ☒ 3. Potassium
 - ☒ 4. Zinc

Question ID : 54335318216
Option 1 ID : 54335373120
Option 2 ID : 54335373123
Option 3 ID : 54335373121
Option 4 ID : 54335373122
Status : **Marked For Review**
Chosen Option : 2

Q.2
2 Find the specific latent heat of vaporisation of 1.25 g of nitrogen (in Jg^{-1}), if it releases 250 joules of heat when it condenses at its boiling point of 196°C .

- Ans
- ☒ 1. 312.5
 - ☒ 2. 469
 - ☒ 3. 200
 - ☒ 4. 500

Question ID : 54335318182
Option 1 ID : 54335372984
Option 2 ID : 54335372986
Option 3 ID : 54335372987
Option 4 ID : 54335372985
Status : **Marked For Review**
Chosen Option : 1

Q.2
3 When a number is increased by 36, it becomes 109% of itself. What is the number?

- Ans
- ☒ 1. 400
 - ☒ 2. 300
 - ☒ 3. 450
 - ☒ 4. 360

Question ID : 54335318227
Option 1 ID : 54335373166
Option 2 ID : 54335373165
Option 3 ID : 54335373167
Option 4 ID : 54335373164
Status : **Answered**
Chosen Option : 1

Q.2
4 A bullet travels 90 m in 0.2 seconds. Find its speed in km/hr.

- Ans
- ☒ 1. 1,620
 - ☒ 2. 1,250
 - ☒ 3. 125

X 4. 162

Question ID : 54335318213

Option 1 ID : 54335373110

Option 2 ID : 54335373111

Option 3 ID : 54335373108

Option 4 ID : 54335373109

Status : Answered

Chosen Option : 3

Q.2
5 Which of the following is NOT a base unit?

Ans **X** 1. candela

✓ 2. radian

X 3. ampere

X 4. mole

Question ID : 54335318195

Option 1 ID : 54335373036

Option 2 ID : 54335373037

Option 3 ID : 54335373039

Option 4 ID : 54335373038

Status : Answered

Chosen Option : 1

Q.2
6 Two cars, X and Y, travel from A to B at average speeds of 50 km/hr and 75 km/hr respectively. If X takes 2 hours more than Y for the journey, then the distance between A and B in km is _____.

Ans **X** 1. 400

X 2. 600

X 3. 800

✓ 4. 300

Question ID : 54335318200

Option 1 ID : 54335373056

Option 2 ID : 54335373057

Option 3 ID : 54335373059

Option 4 ID : 54335373058

Status : Marked For Review

Chosen Option : 1

Q.2
7 If a shopkeeper sells an item at ₹ 2,700, he makes 8% profit. If he sells the item at ₹ 3,000 what will be the percentage of profit?

Ans **X** 1. 25

X 2. 10

✓ 3. 20

X 4. 12

Question ID : 54335318234

Option 1 ID : 54335373193

Option 2 ID : 54335373194

Option 3 ID : 54335373195

Option 4 ID : 54335373192

Status : Answered

Chosen Option : 3

Q.2
8 In the following question, which set of letters and numbers, when sequentially placed at the gaps in the given series, shall complete it?

1_2x_bb_yy_cc_6zzz

- Ans
- ☒ 1. 3a45b
 - ☒ 2. 3a45c
 - ☒ 3. 3a4b5
 - ☒ 4. a345c

Question ID : 54335318247
Option 1 ID : 54335373245
Option 2 ID : 54335373244
Option 3 ID : 54335373246
Option 4 ID : 54335373247
Status : Answered
Chosen Option : 4

Q.2 The resistance of a metal rod depends on all of the following, EXCEPT _____.

- Ans
- ☒ 1. length
 - ☒ 2. density
 - ☒ 3. resistivity
 - ☒ 4. temperature

Question ID : 54335318203
Option 1 ID : 54335373069
Option 2 ID : 54335373070
Option 3 ID : 54335373071
Option 4 ID : 54335373068
Status : Answered
Chosen Option : 4

Q.3 The author of 'The Monk Who Sold His Ferrari' is _____.

- Ans
- ☒ 1. Robin Sharma
 - ☒ 2. Manohar Malgonkar
 - ☒ 3. Arundhati Roy
 - ☒ 4. Arvind Adiga

Question ID : 54335318175
Option 1 ID : 54335372959
Option 2 ID : 54335372956
Option 3 ID : 54335372957
Option 4 ID : 54335372958
Status : Marked For Review
Chosen Option : 2

Q.3 A and B start to walk from point P towards point Q. The distance between P and Q is 9 km. B starts 4 minutes after A.
1 A, on reaching Q, immediately returns and after walking a kilometre meets B. If A's speed is a kilometre in 10 minutes, what is B's speed in kilometres per minute?

- Ans
- ☒ 1. 1/6
 - ☒ 2. 1/12
 - ☒ 3. 1/8
 - ☒ 4. 1/15

Question ID : 54335318209
Option 1 ID : 54335373094
Option 2 ID : 54335373092
Option 3 ID : 54335373093

Q.3 Select the option that is related to the third word on the same basis as the second word is related to the first word.

2 Poem : Stanza :: Book : ?

- Ans
- ☒ 1. Story
- ☒ 2. Language
- ☒ 3. Printing
- ☒ 4. Page

Q.3 A said to B, "You are my husband's daughter-in-law's son." How is B related to A?

3

- Ans
- ☒ 1. B is the brother of A
- ☒ 2. B is the son of A
- ☒ 3. B is the grandson of A
- ☒ 4. B is the father of A

Q.3 Choose the figure which is different from the rest.

4

- Ans
- ☒ 1.

Z	C	H
F	A	N
Q	D	E
- ☒ 2.

H	D	N
F	O	Z
C	E	A
- ☒ 3.

A	C	Q
Z	D	E
N	F	H
- ☒ 4.

N	H	Z
C	F	D
A	E	Q

Status : **Answered**
Chosen Option : 2

Q.3 If the amount received at the end of 1st and 2nd year at compound interest on a certain principal is ₹ 1,350 and ₹ 1,458
5 respectively, what is the rate of interest?

- Ans ☒ 1. 8%
☒ 2. 15%
☒ 3. 12%
☒ 4. 10%

Question ID : 54335318233
Option 1 ID : 54335373190
Option 2 ID : 54335373191
Option 3 ID : 54335373189
Option 4 ID : 54335373188
Status : **Marked For Review**
Chosen Option : 3

Q.3 Find the length (in cm) of the edge of a cube of a piece of wood which weighs 80 N. (Use $g = 10 \text{ m/s}^2$, density of wood
6 $= 1 \text{ g/cm}^3$)

- Ans ☒ 1. 40
☒ 2. 80
☒ 3. 60
☒ 4. 20

Question ID : 54335318198
Option 1 ID : 54335373048
Option 2 ID : 54335373051
Option 3 ID : 54335373050
Option 4 ID : 54335373049
Status : **Marked For Review**
Chosen Option : 3

Q.3 In a certain code DIRTY is coded as 24759 and FOAM is coded as 1863. Using the same code ARID will be coded as
7 _____

- Ans ☒ 1. 6742
☒ 2. 1579
☒ 3. 2489
☒ 4. 9165

Question ID : 54335318249
Option 1 ID : 54335373254
Option 2 ID : 54335373255
Option 3 ID : 54335373253
Option 4 ID : 54335373252
Status : **Answered**
Chosen Option : 1

Q.3 An executive earns a salary of ₹ 12,600 every month, and he spends $\frac{5}{7}$ of it. If his salary increases by $\frac{1}{3}$ rd and his
8 spending increases by $\frac{1}{5}$ th of the present expenditure, what fraction of his salary will he save?

- Ans ☒ 1. $\frac{8}{15}$
☒ 2. $\frac{7}{15}$
☒ 3. $\frac{7}{16}$
☒ 4. $\frac{5}{14}$

Question ID : 54335318224

Option 1 ID : 54335373154
Option 2 ID : 54335373153
Option 3 ID : 54335373155
Option 4 ID : 54335373152
Status : Marked For Review
Chosen Option : 2

Q.3 3 बक्सों का वजन 4, 7 और 10 किलोग्राम है. इनमें से कौन बक्सों के किसी भी संयोजन का किलोग्राम में कुल वजन नहीं हो सकता?

- Ans
- ✓ 1. 18
 - ✗ 2. 21
 - ✗ 3. 17
 - ✗ 4. 14

Question ID : 54335318268
Option 1 ID : 54335373329
Option 2 ID : 54335373331
Option 3 ID : 54335373330
Option 4 ID : 54335373328
Status : Answered
Chosen Option : 3

Q.4 Which of the following gases is a highly poisonous, odourless, tasteless and colourless gas?

- Ans
- ✗ 1. Nitrogen dioxide
 - ✓ 2. Carbon monoxide
 - ✗ 3. Carbon dioxide
 - ✗ 4. Methane

Question ID : 54335318217
Option 1 ID : 54335373126
Option 2 ID : 54335373127
Option 3 ID : 54335373124
Option 4 ID : 54335373125
Status : Marked For Review
Chosen Option : 3

Q.4 Find the value of $5 \sin \theta - 2 \operatorname{cosec} \theta$, if $\theta = 30^\circ$.

- Ans
- ✗ 1. $-2/3$
 - ✓ 2. $-3/2$
 - ✗ 3. $3/2$
 - ✗ 4. $2/3$

Question ID : 54335318239
Option 1 ID : 54335373213
Option 2 ID : 54335373215
Option 3 ID : 54335373212
Option 4 ID : 54335373214
Status : Answered
Chosen Option : 2

Q.4 यदि 10, 4, 1, 15, 15, x, 12 और 14 का माध्य 10 है तो x का मान ज्ञात कीजिए।

- Ans
- ✗ 1. 10
 - ✗ 2. 8

☒ 3. 7
☒ 4. 9

Question ID : 54335318240
Option 1 ID : 54335373217
Option 2 ID : 54335373216
Option 3 ID : 54335373218
Option 4 ID : 54335373219
Status : Answered
Chosen Option : 4

Q.4 निम्नलिखित में से कौन सा प्रथम श्रेणी के उत्तोलक का उदाहरण है?

Ans ☒ 1. सरौता (नट क्रैकर)
☒ 2. बर्फ उठाने की चिमटी (आइस टोंग)
☒ 3. एक पहिए का ठेला (व्हील बैरो)
☒ 4. कैंची

Question ID : 54335318215
Option 1 ID : 54335373118
Option 2 ID : 54335373119
Option 3 ID : 54335373116
Option 4 ID : 54335373117
Status : Answered
Chosen Option : 4

Q.4 If A, B and C can do a task working alone in 12, 18 and 36 days respectively. They all work together for 2 days, then B quits. How many days A and C working together will take to complete the remainder of the task?

Ans ☒ 1. 3
☒ 2. 4
☒ 3. 9
☒ 4. 6

Question ID : 54335318231
Option 1 ID : 54335373183
Option 2 ID : 54335373181
Option 3 ID : 54335373180
Option 4 ID : 54335373182
Status : Marked For Review
Chosen Option : 3

Q.4 फैरड प्रति मीटर _____ की इकाई है।

Ans ☒ 1. वाट प्रति स्टेरेडियन
☒ 2. पारगम्यता
☒ 3. विद्युतशीलता
☒ 4. विद्युत चालकता

Question ID : 54335318196
Option 1 ID : 54335373043
Option 2 ID : 54335373042
Option 3 ID : 54335373041
Option 4 ID : 54335373040
Status : Marked For Review

Q.4 8 सेमी भुजाओं वाले समबाहु त्रिभुज का क्षेत्रफल (सेमी² में) क्या होगा?

- Ans
- ☐ 1. $8\sqrt{3}$
 - ☐ 2. $32\sqrt{3}$
 - ☐ 3. $64\sqrt{3}$
 - ☒ 4. $16\sqrt{3}$

Question ID : 54335318228
Option 1 ID : 54335373168
Option 2 ID : 54335373170
Option 3 ID : 54335373171
Option 4 ID : 54335373169
Status : Answered
Chosen Option : 4

Q.4 प्रश्न में, दो कथन दिए गए हैं, इसके बाद दो निष्कर्ष I और II दिए गए हैं। आपको बयानों को सत्य मानना है, भले ही

कथन १: कुछ गाड़ी छोड़ागाड़ी हैं।

कथन २: सभी गाड़ी ठेलागाड़ी हैं।

निष्कर्ष I: सभी छोड़ागाड़ी ठेलागाड़ी हैं।

निष्कर्ष II: कुछ ठेलागाड़ी छोड़ागाड़ी हैं।

- Ans
- ☐ 1. न तो I और न ही II लागू होते हैं
 - ☒ 2. केवल निष्कर्ष II लागू होता है
 - ☐ 3. केवल निष्कर्ष I लागू होता है
 - ☐ 4. I और II दोनों लागू होते हैं

Question ID : 54335318257
Option 1 ID : 54335373287
Option 2 ID : 54335373285
Option 3 ID : 54335373284
Option 4 ID : 54335373286
Status : Answered
Chosen Option : 3

Q.4 एक व्यापारी 60 बोरी अनाज ₹ 400 प्रत्येक बोरी की दर पर खरीदता है। यदि वह 8% लाभ पर 18 बोरियां बेचता है, तो उसे 60 बोरी पर कुल 16.4% लाभ कमाने के लिए शेष बोरियां किस कीमत पर बेचनी चाहिए?

- Ans
- ☐ 1. ₹ 520
 - ☐ 2. ₹ 540
 - ☐ 3. ₹ 500

✓ 4. ₹ 480

Question ID : 54335318235

Option 1 ID : 54335373197

Option 2 ID : 54335373198

Option 3 ID : 54335373196

Option 4 ID : 54335373199

Status : Marked For Review

Chosen Option : 2

Q.4 $20 - 2[25\% \text{ of } (15 \times 8 \div 6 + 12)] = \underline{\hspace{2cm}}$

Ans

✓ 1. 4

✗ 2. 8

✗ 3. 10

✗ 4. 6

Question ID : 54335318222

Option 1 ID : 54335373147

Option 2 ID : 54335373145

Option 3 ID : 54335373146

Option 4 ID : 54335373144

Status : Answered

Chosen Option : 1

Q.5 उस विकल्प का चयन करें जो तीसरे शब्द से उसी प्रकार संबंधित है जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है।
पत्र : लिफाफा :: खंजर : ?

Ans

✗ 1. हथियार

✓ 2. मयान

✗ 3. तलवार

✗ 4. धारदार

Question ID : 54335318245

Option 1 ID : 54335373237

Option 2 ID : 54335373236

Option 3 ID : 54335373238

Option 4 ID : 54335373239

Status : Answered

Chosen Option : 1

Q.5 प्रश्न में, दो कथन दिए गए हैं, इसके बाद तीन निष्कर्ष I, II और III दिए गए हैं। आपको बयानों को सत्य मानना है, भ
1

कथन १: सभी झंडे बैनर हैं।

कथन २: कुछ झंडे प्रतीक हैं।

निष्कर्ष I: कुछ प्रतीक चिह्न बैनर हैं।

निष्कर्ष II: सभी बैनर प्रतीक चिह्न हैं।

निष्कर्ष III: कोई प्रतीक चिह्न बैनर नहीं हैं।

- Ans
- ☒ 1. निष्कर्ष I, II और III सभी लागू होंगे
 - ☒ 2. केवल निष्कर्ष III लागू होगा
 - ☒ 3. केवल निष्कर्ष I और III लागू होगा
 - ☒ 4. केवल निष्कर्ष I लागू होगा

Question ID : 54335318258

Option 1 ID : 54335373291

Option 2 ID : 54335373289

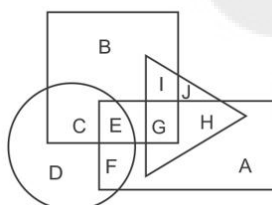
Option 3 ID : 54335373290

Option 4 ID : 54335373288

Status : Answered

Chosen Option : 1

Q.5 निम्नलिखित आकृति में, त्रिकोण अभिनेताओं का प्रतिनिधित्व करता है, वर्ग प्रोफेसरों का प्रतिनिधित्व करता है, सर्कल भारतीयों का प्रतिनिधित्व करता है और आयत पिता का प्रतिनिधित्व करता है। अक्षरों का कौन सा सेट ऐसे भारतीयों का प्रतिनिधित्व करता है जो या तो प्रोफेसर या पिता हैं?



- Ans
- ☒ 1. CEF
 - ☒ 2. G
 - ☒ 3. E
 - ☒ 4. IGH

Question ID : 54335318255

Option 1 ID : 54335373279

Option 2 ID : 54335373278

Option 3 ID : 54335373276

Option 4 ID : 54335373277

Status : Marked For Review

Chosen Option : 4

Q.5 -100° Celsius = _____ Fahrenheit

- Ans
- ☒ 1. -148°
 - ☒ 2. 173°
 - ☒ 3. -373°
 - ☒ 4. -212°

Question ID : 54335318214

Option 1 ID : 54335373112

Option 2 ID : 54335373114

Option 3 ID : 54335373115

Option 4 ID : 54335373113

Status : Answered

Chosen Option : 4

Q.5 Find the potential difference (in V) across a resistance of $2.5 \text{ k}\Omega$ through which a 2 mA current flows.

- Ans
- ☒ 1. 1.25

- ✓ 2. 5
✗ 3. 0.8
✗ 4. 0.2

Question ID : 54335318206
Option 1 ID : 54335373080
Option 2 ID : 54335373083
Option 3 ID : 54335373081
Option 4 ID : 54335373082
Status : Not Answered
Chosen Option : --

Q.5 वाक्य के खंडों को सही क्रम में पुनर्व्यवस्थित करें।
कारणों के संदर्भ में कि एक ग्राहक
X -संभावना है कि उन्होंने वास्तव में चेंजिंग(कपड़ा बदलना) कर लिया है, लेकिन
Y - वे चेंजिंग रूम से बाहर नहीं आए होंगे, एक
Z - कपड़े निराशाजनक रूप से अनुपयुक्त हैं

- Ans ✗ 1. XZY
✓ 2. YXZ
✗ 3. ZXY
✗ 4. ZYX

Question ID : 54335318266
Option 1 ID : 54335373322
Option 2 ID : 54335373323
Option 3 ID : 54335373320
Option 4 ID : 54335373321
Status : Answered
Chosen Option : 2

Q.5 Find the co-ordinates of the midpoint of the segment joining the points $(-4,7)$ and $(2,3)$.
6

- Ans ✗ 1. $(1,-5)$
✗ 2. $(-2,3)$
✓ 3. $(-1,5)$
✗ 4. $(2,4)$

Question ID : 54335318238
Option 1 ID : 54335373211
Option 2 ID : 54335373209
Option 3 ID : 54335373210
Option 4 ID : 54335373208
Status : Not Answered
Chosen Option : --

Q.5 _____ वक्र को परिभाषित करने के लिए कम से कम तीन बिंदुओं का प्रयोग किया जाता है। वक्र के दो अंतिम
7 बिंदुओं को एंकर पॉइंट कहा जाता है। अन्य बिंदु, जो वक्र की आकृति को परिभाषित करते हैं, उन्हें हैंडल, स्पर्शरेखीय बिंदु (टैजेंट पॉइंट्स) या नोड्स कहा जाता है।

- Ans ✓ 1. बेज़ियर
✗ 2. कापा
✗ 3. डेल्टॉयड
✗ 4. बाईकॉर्न

Question ID : 54335318193
Option 1 ID : 54335373031
Option 2 ID : 54335373030
Option 3 ID : 54335373029
Option 4 ID : 54335373028
Status : Not Answered
Chosen Option : --

Q.5 8 506 और 782 का महत्तम समापवर्तक बताएं।

- Ans
- ☒ 1. 34
 - ☒ 2. 29
 - ☒ 3. 46
 - ☒ 4. 22

Question ID : 54335318225
Option 1 ID : 54335373158
Option 2 ID : 54335373159
Option 3 ID : 54335373157
Option 4 ID : 54335373156
Status : Answered
Chosen Option : 3

Q.5 9 एंटीहिस्टामाइन दवाएं, कुछ प्राथमिक चिकित्सा बक्सों (फर्स्ट-एड बॉक्स) में मौजूद होती हैं। इन दवाओं को कब लिया जाना चाहिए?

- Ans
- ☒ 1. अपच एवं सीने में जलन को कम करने के लिए
 - ☒ 2. रक्त के थक्के जमाने में मदद करने के लिए
 - ☒ 3. परागज ज्वर (हे फीवर) और अन्य एलर्जी के लक्षणों को कम करने के लिए
 - ☒ 4. अस्थमा से राहत पाने के लिए

Question ID : 54335318211
Option 1 ID : 54335373103
Option 2 ID : 54335373100
Option 3 ID : 54335373101
Option 4 ID : 54335373102
Status : Not Answered
Chosen Option : --

Q.6 0 Choose the letters which are different from the rest.

- Ans
- ☒ 1. UWY
 - ☒ 2. PRT
 - ☒ 3. VTR
 - ☒ 4. HJL

Question ID : 54335318260
Option 1 ID : 54335373298
Option 2 ID : 54335373297
Option 3 ID : 54335373299
Option 4 ID : 54335373296
Status : Answered
Chosen Option : 3

Q.6 1 _____ मैप, रंग की तीव्रता या ग्रे स्केल संबंधी जानकारी को इस प्रकार की दिखावट प्रदान करने के लिए उभारता है, जिससे वह सतह के ऊपर उठे हुए, जैसे-उभारदार अक्षरों में, प्रतीत होते हैं।

- Ans ☒ 1. टिट
☒ 2. बंप
☒ 3. शेड
☒ 4. टोन

Question ID : 54335318194
Option 1 ID : 54335373033
Option 2 ID : 54335373034
Option 3 ID : 54335373032
Option 4 ID : 54335373035
Status : Answered
Chosen Option : 3

Q.6
2 If $\sqrt{X} + 0.24 = \sqrt{0.1296}$, then find X.

- Ans ☒ 1. 1.44
☒ 2. 0.0144
☒ 3. 0.12
☒ 4. 0.0012

Question ID : 54335318241
Option 1 ID : 54335373220
Option 2 ID : 54335373223
Option 3 ID : 54335373221
Option 4 ID : 54335373222
Status : Answered
Chosen Option : 2

Q.6
3 The sum of two binary numbers 1101111 and 1100101 is _____.

- Ans ☒ 1. 100000110
☒ 2. 11110000
☒ 3. 100011100
☒ 4. 11010100

Question ID : 54335318221
Option 1 ID : 54335373142
Option 2 ID : 54335373141
Option 3 ID : 54335373143
Option 4 ID : 54335373140
Status : Answered
Chosen Option : 1

Q.6
4 _____ is the physiological adjustment by an organism to environmental change.

- Ans ☒ 1. Acclimation
☒ 2. Bioaccumulation
☒ 3. Bioremediation
☒ 4. Cogeneration

Question ID : 54335318218
Option 1 ID : 54335373131
Option 2 ID : 54335373128
Option 3 ID : 54335373129
Option 4 ID : 54335373130
Status : Not Answered

Chosen Option : --

Q.6 एक विमासूचक रेखा (डायमेंशन लाइन) के सिरे पर मौजूद तीर की नोक लगभग _____ लंबी और 1 mm चौड़ी होती है।

- Ans
- ✓ 1. 3 mm
 - ✗ 2. 1.5 mm
 - ✗ 3. 1 mm
 - ✗ 4. 5 mm

Question ID : 54335318184
Option 1 ID : 54335372994
Option 2 ID : 54335372992
Option 3 ID : 54335372993
Option 4 ID : 54335372995
Status : Not Answered
Chosen Option : --

Q.6 What is the relative density of a solid of mass 50 gm which when fully immersed in water weighs 10 gm?

- Ans
- ✗ 1. 5
 - ✗ 2. 2.5
 - ✓ 3. 1.25
 - ✗ 4. 0.8

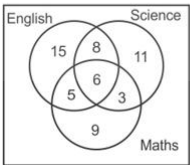
Question ID : 54335318208
Option 1 ID : 54335373089
Option 2 ID : 54335373091
Option 3 ID : 54335373088
Option 4 ID : 54335373090
Status : Not Answered
Chosen Option : --

Q.6 Which of the following is the correct relation between resistance 'R', conductivity 'σ', length 'L' and area of cross section 'A' of a metal wire?

- Ans
- ✗ 1. $RA = L\sigma$
 - ✗ 2. $RL = A\sigma$
 - ✓ 3. $R\sigma A = L$
 - ✗ 4. $\sigma = RL/A$

Question ID : 54335318183
Option 1 ID : 54335372989
Option 2 ID : 54335372991
Option 3 ID : 54335372988
Option 4 ID : 54335372990
Status : Not Answered
Chosen Option : --

Q.6 The given Venn diagram shows the number of students who have passed in the three exams, viz. English, Science and Maths. How many students failed in all the three exams?



- Ans
- ✗ 1. 12
 - ✓ 2. 3

✗ 3. 9

✗ 4. 6

Question ID : 54335318256

Option 1 ID : 54335373283

Option 2 ID : 54335373280

Option 3 ID : 54335373282

Option 4 ID : 54335373281

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.6
9 1386 सेमी² क्षेत्रफल वाले एक गोले का व्यास (सेमी में) क्या है?

Ans ✗ 1. 14

✓ 2. 21

✗ 3. 24.5

✗ 4. 10.5

Question ID : 54335318229

Option 1 ID : 54335373174

Option 2 ID : 54335373172

Option 3 ID : 54335373175

Option 4 ID : 54335373173

Status : Answered

Chosen Option : 4

Q.7
0 Find the heat capacity of a pan of mass 200 g, if its temperature rises by 8° C on receiving 2000 J of heat.

Ans ✗ 1. 50 Jkg⁻¹K⁻¹

✗ 2. 1.25 Jkg⁻¹K⁻¹

✓ 3. 250 JK⁻¹

✗ 4. 5 JK⁻¹

Question ID : 54335318201

Option 1 ID : 54335373061

Option 2 ID : 54335373063

Option 3 ID : 54335373060

Option 4 ID : 54335373062

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.7
1 जो बाकी से अलग है उसे चुनें।

Ans ✗ 1. भाई

✗ 2. पिता

✓ 3. सास

✗ 4. पुत्र

Question ID : 54335318261

Option 1 ID : 54335373301

Option 2 ID : 54335373300

Option 3 ID : 54335373303

Option 4 ID : 54335373302

Status : Answered

Q.7 In a certain code language, '+' represents '×', '÷' represents '+', '-' represents '÷' and '×' represents '-'. Find out the answer to the following question.
 $12 \div 6 - 2 + 10 \times 5 = ?$

- Ans
- ✓ 1. 37
 - ✗ 2. 50
 - ✗ 3. 16
 - ✗ 4. 23

Question ID : 54335318251
Option 1 ID : 54335373262
Option 2 ID : 54335373263
Option 3 ID : 54335373260
Option 4 ID : 54335373261
Status : Answered
Chosen Option : 1

Q.7 3 ढाई बजे घंटे की सूई और मिनट की सूई के बीच कोण क्या होगा?

- Ans
- ✗ 1. 75°
 - ✗ 2. 120°
 - ✓ 3. 105°
 - ✗ 4. 90°

Question ID : 54335318243
Option 1 ID : 54335373228
Option 2 ID : 54335373231
Option 3 ID : 54335373229
Option 4 ID : 54335373230
Status : Not Answered
Chosen Option : --

Q.7 4 यदि $8 \# 12 = 10$; $5 \# 9 = 7$; $6 \# 10 = 8$, फिर $14 \# 4$ का मान ज्ञात कीजिए।

- Ans
- ✗ 1. 5
 - ✗ 2. 10
 - ✗ 3. 3
 - ✓ 4. 9

Question ID : 54335318252
Option 1 ID : 54335373266
Option 2 ID : 54335373264
Option 3 ID : 54335373267
Option 4 ID : 54335373265
Status : Answered
Chosen Option : 4

Q.7 5 शास्त्रीय संगीतज्ञ शिवकुमार शर्मा किस वाद्य यंत्र से संबंधित हैं?

- Ans
- ✓ 1. सतूर
 - ✗ 2. शहनाई
 - ✗ 3. वायलिन
 - ✗ 4. तबला

Question ID : 54335318178

Option 1 ID : 54335372971

Option 2 ID : 54335372969

Option 3 ID : 54335372970

Option 4 ID : 54335372968

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.7
6 A/An _____ is software used to maintain the security of a private network.

- Ans
- ☒ 1. firewall
 - ☐ 2. malware
 - ☐ 3. encryption
 - ☐ 4. clickbait

Question ID : 54335318189

Option 1 ID : 54335373014

Option 2 ID : 54335373015

Option 3 ID : 54335373013

Option 4 ID : 54335373012

Status : Answered

Chosen Option : 1

Q.7
7 Which team won the Indian Premier League (IPL) in 2018?

- Ans
- ☐ 1. Kolkata Knight Riders
 - ☒ 2. Chennai Super Kings
 - ☐ 3. Royal Challengers Bangalore
 - ☐ 4. Hyderabad Sunrisers

Question ID : 54335318176

Option 1 ID : 54335372961

Option 2 ID : 54335372962

Option 3 ID : 54335372960

Option 4 ID : 54335372963

Status : Answered

Chosen Option : 2

Q.7
8 Who invented the blue jeans?

- Ans
- ☐ 1. Gianni Versace
 - ☐ 2. Calvin Klein
 - ☐ 3. Todd Oldham
 - ☒ 4. Levi Strauss

Question ID : 54335318174

Option 1 ID : 54335372955

Option 2 ID : 54335372953

Option 3 ID : 54335372952

Option 4 ID : 54335372954

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.7
9 If 36 J of work is done in moving a charge Q across 8 V, find Q (in coulombs).

- Ans
- ☐ 1. 16

- ☒ 2. 9
☒ 3. 288
☒ 4. 4.5

Question ID : 54335318205

Option 1 ID : 54335373078

Option 2 ID : 54335373077

Option 3 ID : 54335373076

Option 4 ID : 54335373079

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8
0 Who was the chairman of the Constitution Drafting Committee?

- Ans ☒ 1. Sardar Patel
☒ 2. Dr. Rajendra Prasad
☒ 3. Jawaharlal Nehru
☒ 4. Dr. B R Ambedkar

Question ID : 54335318170

Option 1 ID : 54335372939

Option 2 ID : 54335372936

Option 3 ID : 54335372937

Option 4 ID : 54335372938

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8
1 Binary 110110101 is equal to decimal _____.

- Ans ☒ 1. 333
☒ 2. 477
☒ 3. 437
☒ 4. 349

Question ID : 54335318220

Option 1 ID : 54335373139

Option 2 ID : 54335373137

Option 3 ID : 54335373138

Option 4 ID : 54335373136

Status : Answered

Chosen Option : 3

Q.8
2 If $a - b = 5$ and $ab = 14$, then find $a^2 + b^2$?

- Ans ☒ 1. 53
☒ 2. 19
☒ 3. 27
☒ 4. 5

Question ID : 54335318237

Option 1 ID : 54335373205

Option 2 ID : 54335373206

Option 3 ID : 54335373204

Option 4 ID : 54335373207

Status : Answered

Chosen Option : 1

Q.8 यदि 750 N का एक बल 30 kg द्रव्यमान की एक गाड़ी को 16 m तक विस्थापित करता है, तो किया गया कार्य (kJ में) ज्ञात कीजिए।

- Ans
- 1. 48
 - 2. 24
 - 3. 12
 - 4. 36

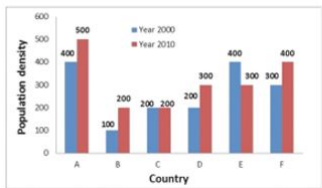
Question ID : 54335318186
Option 1 ID : 54335373002
Option 2 ID : 54335373000
Option 3 ID : 54335373001
Option 4 ID : 54335373003
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.8 Find the missing number in the given series.
-1.3, -0.8, -0.3, ? , 0.7, 1.2

- Ans
- 1. 0.3
 - 2. 0.4
 - 3. 0.1
 - 4. 0.2

Question ID : 54335318248
Option 1 ID : 54335373248
Option 2 ID : 54335373250
Option 3 ID : 54335373251
Option 4 ID : 54335373249
Status : Answered
Chosen Option : 4

Q.8 बार ग्राफ वर्ष 2000 और 2010 के लिए 6 देशों के जनसंख्या घनत्व को दर्शाता है। देश बी का क्षेत्रफल देश डी के क्षेत्रफल से कितना अधिक है, यदि 2000 में देश बी की जनसंख्या 1 करोड़ थी और 2010 में कंट्री डी की जनसंख्या थी 60 लाख। यहां जनसंख्या घनत्व प्रति 100 वर्ग किमी में निवास करने वाले व्यक्तियों की संख्या के रूप में मापा जाता है।



- Ans
- 1. 25%
 - 2. 500%
 - 3. 400%
 - 4. 20%

Question ID : 54335318264
Option 1 ID : 54335373315
Option 2 ID : 54335373313
Option 3 ID : 54335373312
Option 4 ID : 54335373314
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.8
6 कृत्रिम भाषा में कुछ शब्द इस प्रकार से हैं
unacri मतलब lighthouse
bancri मतलब lightweight
banetu मतलब overweight
किस शब्द का मतलब 'overdrive' होगा?

- Ans
- ☒ 1. adietu
 - ☐ 2. criteh
 - ☐ 3. adiban
 - ☐ 4. simuna

Question ID : 54335318250

Option 1 ID : 54335373258

Option 2 ID : 54335373259

Option 3 ID : 54335373257

Option 4 ID : 54335373256

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8
7 Find the specific heat capacity (in $\text{Jg}^{-1}\text{K}^{-1}$) of a block of metal of mass 500 g, the temperature of which rises by 80°C when it absorbs 10 kJ of heat?

- Ans
- ☐ 1. 0.4
 - ☒ 2. 0.25
 - ☐ 3. 0.16
 - ☐ 4. 1.56

Question ID : 54335318202

Option 1 ID : 54335373066

Option 2 ID : 54335373067

Option 3 ID : 54335373065

Option 4 ID : 54335373064

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8
8 A truck of mass 5000 kg accelerates from 25 m/s to 35 m/s. Find the change in its kinetic energy (in MJ).

- Ans
- ☐ 1. 1
 - ☐ 2. 2.5
 - ☒ 3. 1.5
 - ☐ 4. 2

Question ID : 54335318212

Option 1 ID : 54335373104

Option 2 ID : 54335373107

Option 3 ID : 54335373106

Option 4 ID : 54335373105

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8
9 $(0.1^2 - 0.025^2) \div (0.1 - 0.025) = \underline{\hspace{2cm}}$.

- Ans
- ☐ 1. 0.325
 - ☐ 2. 0.625
 - ☒ 3. 0.125

☒ 4. 0.25

Question ID : 54335318223

Option 1 ID : 54335373151

Option 2 ID : 54335373150

Option 3 ID : 54335373149

Option 4 ID : 54335373148

Status : Answered

Chosen Option : 3

Q.9
0 An object with greater _____ has greater inertia.

Ans ☒ 1. velocity

☒ 2. acceleration

☒ 3. volume

☒ 4. mass

Question ID : 54335318197

Option 1 ID : 54335373044

Option 2 ID : 54335373046

Option 3 ID : 54335373047

Option 4 ID : 54335373045

Status : Answered

Chosen Option : 2

Q.9
1 Which of the following folk dances is from Assam?

Ans ☒ 1. Bagurumba

☒ 2. Giddha

☒ 3. Lezim

☒ 4. Nati

Question ID : 54335318179

Option 1 ID : 54335372973

Option 2 ID : 54335372974

Option 3 ID : 54335372975

Option 4 ID : 54335372972

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.9
2 Acceleration due to gravity on moon is 1/6th that on earth. How much would an astronaut weigh on moon if he weighs 90 kgf on earth? (acceleration due to gravity on earth = 10m/s^2)

Ans ☒ 1. 9 N

☒ 2. 150 N

☒ 3. 90 N

☒ 4. 15 N

Question ID : 54335318190

Option 1 ID : 54335373019

Option 2 ID : 54335373018

Option 3 ID : 54335373016

Option 4 ID : 54335373017

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.9
3 एक निश्चित गियर ट्रेन में, संचालक (डाइवर) गियर में 18 दांते हैं, जबकि संचालित (फॉलोअर) गियर में 8 दांते हैं। संचालक (डाइवर) के प्रत्येक 16 चक्कर के लिए, संचालित (फॉलोअर) गियर _____ बार घूमता है।

- Ans ☒ 1. 9
☒ 2. 18
☒ 3. 36
☒ 4. 8

Question ID : 54335318187
Option 1 ID : 54335373007
Option 2 ID : 54335373006
Option 3 ID : 54335373004
Option 4 ID : 54335373005
Status : Answered
Chosen Option : 3

Q.9 If half a litre of hot water at 90°C is mixed with three and a half litres of cold water at 10°C, find the final equilibrium temperature (in °C) if no heat is lost.

- Ans ☒ 1. 30
☒ 2. 20
☒ 3. 50
☒ 4. 40

Question ID : 54335318210
Option 1 ID : 54335373097
Option 2 ID : 54335373096
Option 3 ID : 54335373099
Option 4 ID : 54335373098
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.9 Two children, weighing 30 kg and 15 kg, sit on one side of a see-saw at a distance of 1 m and 1.2 m respectively, from the fulcrum. A boy of 'M' kg sits on the other side of the see-saw at a distance of 1.2 m from the fulcrum, and the see-saw is in equilibrium. Find M.

- Ans ☒ 1. 45
☒ 2. 48
☒ 3. 36
☒ 4. 40

Question ID : 54335318191
Option 1 ID : 54335373023
Option 2 ID : 54335373020
Option 3 ID : 54335373021
Option 4 ID : 54335373022
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.9 A postman starts from the post office and cycles 13 km south, then turns west and cycles 10 km, then turns north and cycles 8 km, then turns east and cycles 2 km and then turns to his left and cycles 5 km. Where is he now with reference to his starting position?

- Ans ☒ 1. 12 km east
☒ 2. 12 km west
☒ 3. 8 km east
☒ 4. 8 km west

Question ID : 54335318262
Option 1 ID : 54335373307
Option 2 ID : 54335373306
Option 3 ID : 54335373305
Option 4 ID : 54335373304

Q.9 एक कथन के बाद दो निष्कर्ष दिए गए हैं। यह तय करें कि दिए गए कथन में से कौन सा निष्कर्ष निश्चित रूप से निकाला जा सकता है।

कथन: आय बढ़ने के साथ-साथ लोगों के लिए कारें खरीदना संभव हो जाता है।

निष्कर्ष I: प्रौद्योगिकी के अधिक उपयोग के साथ, कारें अब पिछली पीढ़ी की तुलना में सस्ती हैं।

निष्कर्ष II: कारें इतनी अधिक हो जाएंगी कि भविष्य की कोई भी तकनीक ट्राफिक समस्या का समाधान नहीं कर सकेगी।

- Ans
- ☒ 1. न तो I और न ही II लागू होता है
 - ☐ 2. केवल निष्कर्ष I लागू होता है
 - ☐ 3. I और II दोनों लागू होता है
 - ☐ 4. केवल निष्कर्ष II लागू होता है

Question ID : 54335318269
Option 1 ID : 54335373334
Option 2 ID : 54335373332
Option 3 ID : 54335373335
Option 4 ID : 54335373333
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.9 210 mm x 297 mm are the dimensions of _____ size paper.

- Ans
- ☐ 1. A3
 - ☐ 2. A1
 - ☒ 3. A4
 - ☐ 4. A2

Question ID : 54335318181
Option 1 ID : 54335372980
Option 2 ID : 54335372982
Option 3 ID : 54335372983
Option 4 ID : 54335372981
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.9 कौन सा खतरनाक पदार्थ फेफड़ों के कैंसर का कारण बन सकता है?

- Ans
- ☐ 1. बेंजीन वाष्प
 - ☐ 2. खरपतवारनाशक (हर्बिसाइड)
 - ☐ 3. आर्सेनिक
 - ☒ 4. अभ्रक के कण

Question ID : 54335318188
Option 1 ID : 54335373008
Option 2 ID : 54335373011
Option 3 ID : 54335373010
Option 4 ID : 54335373009
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.1 00 If $5x/2 - 1/4 (6x - 5/3) = 7/6$, then the value of x is _____.

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

Question ID : 54335318236

Option 1 ID : 54335373201

Option 2 ID : 54335373203

Option 3 ID : 54335373202

Option 4 ID : 54335373200

Status : Not Attempted and Marked For Review

Chosen Option : --

Section : Electronics Mechanic

Q.1 Cell phone communication is a _____.

- Ans
- ☒ 1. Full Simplex
 - ☒ 2. Full Duplex
 - ☒ 3. Simplex
 - ☒ 4. Half Duplex

Question ID : 54335318301

Option 1 ID : 54335373460

Option 2 ID : 54335373463

Option 3 ID : 54335373461

Option 4 ID : 54335373462

Status : Answered

Chosen Option : 2

Q.2 What type of radiation is emitted from a remote control?

- Ans
- ☒ 1. Visible
 - ☒ 2. Ultraviolet
 - ☒ 3. Infrared
 - ☒ 4. Radio Frequency

Question ID : 54335318306

Option 1 ID : 54335373481

Option 2 ID : 54335373480

Option 3 ID : 54335373483

Option 4 ID : 54335373482

Status : Answered

Chosen Option : 3

Q.3 What is the output of an LED driver?

- Ans
- ☒ 1. Chopped AC
 - ☒ 2. Pulsating DC
 - ☒ 3. DC
 - ☒ 4. AC

Question ID : 54335318343

Option 1 ID : 54335373631

Option 2 ID : 54335373628

Option 3 ID : 54335373629

Option 4 ID : 54335373630

Status : Not Answered

Chosen Option : --

Q.4 The BU205 transistor collector is the _____

- Ans
- ☒ 1. right side pin
 - ☒ 2. body of the transistor
 - ☒ 3. centre pin
 - ☒ 4. left side pin

Question ID : 54335318293

Option 1 ID : 54335373429

Option 2 ID : 54335373430

Option 3 ID : 54335373431

Option 4 ID : 54335373428

Status : Not Answered

Chosen Option : --

Q.5 Gama is the ratio of _____

- Ans
- ☒ 1. emitter current to base current
 - ☒ 2. collector current to emitter current
 - ☒ 3. collector current to base current
 - ☒ 4. base current to collector current

Question ID : 54335318290

Option 1 ID : 54335373419

Option 2 ID : 54335373417

Option 3 ID : 54335373416

Option 4 ID : 54335373418

Status : Not Answered

Chosen Option : --

Q.6 Windows 10 is a/an _____

- Ans
- ☒ 1. type of computer
 - ☒ 2. operating and booting system
 - ☒ 3. booting system
 - ☒ 4. operating system

Question ID : 54335318285

Option 1 ID : 54335373399

Option 2 ID : 54335373398

Option 3 ID : 54335373397

Option 4 ID : 54335373396

Status : Answered

Chosen Option : 4

Q.7 A Capacitor function _____

- Ans
- ☒ 1. stops AC and passes DC

- ✓ 2. stops DC and passes AC
- ✗ 3. passes both, DC and AC
- ✗ 4. stops both, AC and DC

Question ID : 54335318272
Option 1 ID : 54335373344
Option 2 ID : 54335373345
Option 3 ID : 54335373347
Option 4 ID : 54335373346
Status : Not Answered
Chosen Option : --

Q.8 The Mail Merge function is present in:

- Ans
- ✓ 1. Microsoft Word
 - ✗ 2. Microsoft Excel and Microsoft PowerPoint
 - ✗ 3. Microsoft Excel
 - ✗ 4. Microsoft PowerPoint

Question ID : 54335318287
Option 1 ID : 54335373404
Option 2 ID : 54335373407
Option 3 ID : 54335373405
Option 4 ID : 54335373406
Status : Answered
Chosen Option : 3

Q.9 Hybrid parameter calculations are used in _____

- Ans
- ✓ 1. Two-port linear net
 - ✗ 2. Push pull
 - ✗ 3. Class A amp
 - ✗ 4. Darlington pair

Question ID : 54335318289
Option 1 ID : 54335373415
Option 2 ID : 54335373413
Option 3 ID : 54335373414
Option 4 ID : 54335373412
Status : Not Answered
Chosen Option : --

Q.10 In the _____ Storage Oscilloscope signals can be stored.

- Ans
- ✗ 1. Cathode Ray Tube (CRT)
 - ✓ 2. Digital Oscilloscope
 - ✗ 3. Analog Oscilloscope
 - ✗ 4. VTVM

Question ID : 54335318300
Option 1 ID : 54335373458
Option 2 ID : 54335373457
Option 3 ID : 54335373456
Option 4 ID : 54335373459
Status : Not Answered

Chosen Option : --

Q.1
1 In case of silicon transistor the cutoff region voltage of base emitter is _____.

- Ans
- ☒ 1. 0.5 V
 - ☒ 2. 0.3 V
 - ☒ 3. 0.4 V
 - ☒ 4. > 0.7 V

Question ID : 54335318312

Option 1 ID : 54335373505

Option 2 ID : 54335373507

Option 3 ID : 54335373506

Option 4 ID : 54335373504

Status : Answered

Chosen Option : 2

Q.1
2 IC 7805 is a _____ voltage regulator.

- Ans
- ☒ 1. 15 V
 - ☒ 2. 8 V
 - ☒ 3. 6 V
 - ☒ 4. 5 V

Question ID : 54335318282

Option 1 ID : 54335373387

Option 2 ID : 54335373384

Option 3 ID : 54335373386

Option 4 ID : 54335373385

Status : Not Answered

Chosen Option : --

Q.1
3 Formula for Number of Magnetic poles (P) in an Induction motor = _____

- Ans
- ☒ 1. $(180Xf)/N$
 - ☒ 2. $(60Xf)/N$
 - ☒ 3. $(360Xf)/N$
 - ☒ 4. $(120Xf)/N$

Question ID : 54335318336

Option 1 ID : 54335373602

Option 2 ID : 54335373601

Option 3 ID : 54335373603

Option 4 ID : 54335373600

Status : Not Answered

Chosen Option : --

Q.1
4 By combining two Class B amplifiers, we can build _____

- Ans
- ☒ 1. Push-pull amplifier
 - ☒ 2. LC coupling
 - ☒ 3. RC coupling
 - ☒ 4. TC coupling

Question ID : 54335318298

Option 1 ID : 54335373449
Option 2 ID : 54335373450
Option 3 ID : 54335373448
Option 4 ID : 54335373451
Status : Not Answered
Chosen Option : --

Q.1
5 In the context of mobile communication what is the full form of LTE?

- Ans
- ☒ 1. Long Term Evolution
 - ☐ 2. Last Time Evolution
 - ☐ 3. Least Time Evolution
 - ☐ 4. Long Time Evolution

Question ID : 54335318302
Option 1 ID : 54335373465
Option 2 ID : 54335373466
Option 3 ID : 54335373467
Option 4 ID : 54335373464
Status : Answered
Chosen Option : 1

Q.1
6 What is the forward voltage of LED?

- Ans
- ☐ 1. 0.6 Vdc
 - ☐ 2. 1.5 Vdc to 3 Vdc
 - ☐ 3. 0.3 Vdc
 - ☒ 4. 1.8 Vdc to 3.3 Vdc

Question ID : 54335318331
Option 1 ID : 54335373580
Option 2 ID : 54335373582
Option 3 ID : 54335373583
Option 4 ID : 54335373581
Status : Not Answered
Chosen Option : --

Q.1
7 Sine Wave Peak to peak = _____

- Ans
- ☐ 1. RMS / Square root of six
 - ☐ 2. RMS $\times$ Square root of three
 - ☐ 3. RMS / Square root of five
 - ☒ 4. RMS $\times$ Square root of two

Question ID : 54335318271
Option 1 ID : 54335373343
Option 2 ID : 54335373340
Option 3 ID : 54335373342
Option 4 ID : 54335373341
Status : Answered
Chosen Option : 4

Q.1
8 Which of the following panels has the best viewing angle?

- Ans
- ☐ 1. LCD
 - ☐ 2. LED

- ☐ 3. Plasma
- ☒ 4. CRT

Question ID : 54335318344
Option 1 ID : 54335373633
Option 2 ID : 54335373634
Option 3 ID : 54335373635
Option 4 ID : 54335373632
Status : Answered
Chosen Option : 2

Q.1
9 Find Current, if Resistance = 50 ohms and Power = 100 Watts

- Ans ☐ 1. 2 A
- ☒ 2. 1.414 A
- ☐ 3. 3 A
- ☐ 4. 1.314 A

Question ID : 54335318270
Option 1 ID : 54335373338
Option 2 ID : 54335373337
Option 3 ID : 54335373339
Option 4 ID : 54335373336
Status : Answered
Chosen Option : 1

Q.2
0 A full wave rectifier consists of:

- Ans ☐ 1. one diode
- ☐ 2. three diodes
- ☒ 3. two diodes
- ☐ 4. four diodes

Question ID : 54335318281
Option 1 ID : 54335373383
Option 2 ID : 54335373381
Option 3 ID : 54335373380
Option 4 ID : 54335373382
Status : Answered
Chosen Option : 3

Q.2
1 Why is an N-Channel MOSFET preferred over a P-Channel?

- Ans ☒ 1. Because it allows fast switching
- ☐ 2. Because it is TTL compatible
- ☐ 3. Because of its low input impedance
- ☐ 4. Because of the low noise

Question ID : 54335318323
Option 1 ID : 54335373550
Option 2 ID : 54335373548
Option 3 ID : 54335373551
Option 4 ID : 54335373549
Status : Answered
Chosen Option : 3

Q.2 In an induction motor, stator is the _____

2

Ans

- ☒ 1. rotary part
- ☒ 2. part that is stationary
- ☒ 3. part that controls the speed
- ☒ 4. rotary and part that controls the speed

Question ID : 54335318335

Option 1 ID : 54335373598

Option 2 ID : 54335373597

Option 3 ID : 54335373596

Option 4 ID : 54335373599

Status : Answered

Chosen Option : 1

Q.2
3 What can a CRO measure?

Ans

- ☒ 1. capacitance
- ☒ 2. resistance
- ☒ 3. inductance
- ☒ 4. frequency

Question ID : 54335318280

Option 1 ID : 54335373377

Option 2 ID : 54335373376

Option 3 ID : 54335373378

Option 4 ID : 54335373379

Status : Answered

Chosen Option : 4

Q.2
4 LCD TVs work on the principle of _____

Ans

- ☒ 1. emission of cathode rays and light
- ☒ 2. emission of cathode rays
- ☒ 3. light emission
- ☒ 4. light blockage

Question ID : 54335318332

Option 1 ID : 54335373587

Option 2 ID : 54335373585

Option 3 ID : 54335373584

Option 4 ID : 54335373586

Status : Answered

Chosen Option : 2

Q.2
5 What is the beta current ratio of a transistor?

Ans

- ☒ 1. I_C/I_B
- ☒ 2. I_B/I_E
- ☒ 3. I_E/I_C
- ☒ 4. I_C/I_E

Question ID : 54335318313

Option 1 ID : 54335373508
Option 2 ID : 54335373510
Option 3 ID : 54335373509
Option 4 ID : 54335373511
Status : **Not Answered**
Chosen Option : --

Q.2
6 How are SMD components in bulk mounted on PCB?

- Ans
- ☒ 1. Using hot air blower
 - ☒ 2. Using soldering iron
 - ☒ 3. Using wave soldering machine
 - ☒ 4. Using soldering pot

Question ID : 54335318326
Option 1 ID : 54335373560
Option 2 ID : 54335373561
Option 3 ID : 54335373563
Option 4 ID : 54335373562
Status : **Not Answered**
Chosen Option : --

Q.2
7 Secondary cells _____

- Ans
- ☒ 1. can be recharged and reused
 - ☒ 2. can be charged but cannot be reused
 - ☒ 3. cannot be recharged
 - ☒ 4. cannot be charged and reused

Question ID : 54335318274
Option 1 ID : 54335373352
Option 2 ID : 54335373354
Option 3 ID : 54335373355
Option 4 ID : 54335373353
Status : **Answered**
Chosen Option : 1

Q.2
8 IC 7812 is a _____ voltage regulator.

- Ans
- ☒ 1. 78 V
 - ☒ 2. 8 V
 - ☒ 3. 21 V
 - ☒ 4. 12 V

Question ID : 54335318340
Option 1 ID : 54335373618
Option 2 ID : 54335373616
Option 3 ID : 54335373619
Option 4 ID : 54335373617
Status : **Not Answered**
Chosen Option : --

Q.2
9 Impedance can be measured using which among the following instrument?

- Ans
- ☒ 1. LCR Meter
 - ☒ 2. CRO

- ☒ 3. DSO
- ☒ 4. Function generator

Question ID : 54335318324
Option 1 ID : 54335373555
Option 2 ID : 54335373554
Option 3 ID : 54335373552
Option 4 ID : 54335373553
Status : Answered
Chosen Option : 4

Q.3
0 _____ transistor/s are required for single stage amplification.

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

Question ID : 54335318317
Option 1 ID : 54335373524
Option 2 ID : 54335373525
Option 3 ID : 54335373527
Option 4 ID : 54335373526
Status : Answered
Chosen Option : 1

Q.3
1 8-bit registers consist of _____ Flip Flop.

- Ans ☒ 1. 4
- ☒ 2. 12
- ☒ 3. 16
- ☒ 4. 8

Question ID : 54335318328
Option 1 ID : 54335373569
Option 2 ID : 54335373571
Option 3 ID : 54335373568
Option 4 ID : 54335373570
Status : Answered
Chosen Option : 4

Q.3
2 Which of the following LED colours is NOT present in an LED TV panel?

- Ans ☒ 1. Green
- ☒ 2. White
- ☒ 3. Red
- ☒ 4. Blue

Question ID : 54335318325
Option 1 ID : 54335373559
Option 2 ID : 54335373556
Option 3 ID : 54335373557
Option 4 ID : 54335373558
Status : Answered
Chosen Option : 2

Q.3
3 Saw tooth wave can be generated through the _____

- Ans ☒ 1. Schmitt trigger
☐ 2. Hartley oscillator
☐ 3. Colpitts oscillator
☐ 4. Crystal oscillator

Question ID : 54335318299
Option 1 ID : 54335373455
Option 2 ID : 54335373452
Option 3 ID : 54335373453
Option 4 ID : 54335373454
Status : Answered
Chosen Option : 2

Q.3
4 AND gate and EX-OR gate combination is _____

- Ans ☐ 1. Both Full and Half adder
☐ 2. Full adder
☒ 3. Half adder
☐ 4. Flip flop

Question ID : 54335318338
Option 1 ID : 54335373610
Option 2 ID : 54335373608
Option 3 ID : 54335373609
Option 4 ID : 54335373611
Status : Answered
Chosen Option : 1

Q.3
5 Which of the following circuits is used for adding a DC offset to a waveform?

- Ans ☒ 1. Clamper
☐ 2. Clipper
☐ 3. Amplifier
☐ 4. Rectifier

Question ID : 54335318322
Option 1 ID : 54335373546
Option 2 ID : 54335373544
Option 3 ID : 54335373545
Option 4 ID : 54335373547
Status : Not Answered
Chosen Option : --

Q.3
6 An RLC series resonance boosts:

- Ans ☒ 1. current
☐ 2. resistance
☐ 3. frequency
☐ 4. inductance

Question ID : 54335318278
Option 1 ID : 54335373368
Option 2 ID : 54335373369
Option 3 ID : 54335373370
Option 4 ID : 54335373371

Status : **Answered**
Chosen Option : **4**

Q.3
7 Which of the following display interfaces can carry both, analog signals and digital signals?

- Ans
- ☒ 1. VGA
 - ☒ 2. HDMI
 - ☒ 3. Optical
 - ☒ 4. DVI

Question ID : **54335318305**
Option 1 ID : **54335373477**
Option 2 ID : **54335373476**
Option 3 ID : **54335373479**
Option 4 ID : **54335373478**
Status : **Answered**
Chosen Option : **1**

Q.3
8 Which transistor configuration amplifier's current gain is lowest?

- Ans
- ☒ 1. Emitter Coupled
 - ☒ 2. Common Emitter
 - ☒ 3. Common Collector
 - ☒ 4. Common Base

Question ID : **54335318319**
Option 1 ID : **54335373534**
Option 2 ID : **54335373532**
Option 3 ID : **54335373535**
Option 4 ID : **54335373533**
Status : **Not Answered**
Chosen Option : **--**

Q.3
9 _____ technology is used in TV remotes.

- Ans
- ☒ 1. LCD
 - ☒ 2. Infrared light
 - ☒ 3. Ultraviolet rays
 - ☒ 4. Ultraviolet rays and LCD

Question ID : **54335318333**
Option 1 ID : **54335373590**
Option 2 ID : **54335373589**
Option 3 ID : **54335373588**
Option 4 ID : **54335373591**
Status : **Answered**
Chosen Option : **2**

Q.4
0 Which of the following is an Operational Amplifier?

- Ans
- ☒ 1. IC 8085
 - ☒ 2. IC 7805
 - ☒ 3. IC 741
 - ☒ 4. IC 555

Question ID : 54335318310

Option 1 ID : 54335373498

Option 2 ID : 54335373499

Option 3 ID : 54335373497

Option 4 ID : 54335373496

Status : **Not Answered**

Chosen Option : --

Q.4
1 RAM is a _____

- Ans
- ☒ 1. type of software
 - ☒ 2. CPU register
 - ☒ 3. temporary memory device
 - ☒ 4. permanent memory device

Question ID : 54335318286

Option 1 ID : 54335373403

Option 2 ID : 54335373402

Option 3 ID : 54335373401

Option 4 ID : 54335373400

Status : **Answered**

Chosen Option : 3

Q.4
2 Transistor in saturation region works as _____.

- Ans
- ☒ 1. Switch
 - ☒ 2. Attenuator
 - ☒ 3. Oscillator
 - ☒ 4. Amplifier

Question ID : 54335318315

Option 1 ID : 54335373517

Option 2 ID : 54335373519

Option 3 ID : 54335373518

Option 4 ID : 54335373516

Status : **Answered**

Chosen Option : 4

Q.4
3 An Inductive Reactance function:

- Ans
- ☒ 1. opposes alternating current
 - ☒ 2. opposes direct current
 - ☒ 3. allows alternating current
 - ☒ 4. allows alternating current and direct current

Question ID : 54335318273

Option 1 ID : 54335373349

Option 2 ID : 54335373350

Option 3 ID : 54335373348

Option 4 ID : 54335373351

Status : **Answered**

Chosen Option : 1

Q.4
4 If a diode shows equal resistance but not zero in both directions then the diode must be _____.

- Ans
- ☒ 1. short

- ✓ 2. defective
- ✗ 3. working fine
- ✗ 4. open

Question ID : 54335318341
Option 1 ID : 54335373621
Option 2 ID : 54335373622
Option 3 ID : 54335373623
Option 4 ID : 54335373620
Status : Answered
Chosen Option : 4

Q.4
5 A unijunction transistor (UJT) is used to _____

- Ans
- ✗ 1. boost the SCR
 - ✗ 2. amplify DC
 - ✗ 3. boost and trigger TRIAC
 - ✓ 4. trigger the SCR

Question ID : 54335318284
Option 1 ID : 54335373392
Option 2 ID : 54335373395
Option 3 ID : 54335373394
Option 4 ID : 54335373393
Status : Not Answered
Chosen Option : --

Q.4
6 For which of the following functions can a Schmitt trigger be used?

- Ans
- ✓ 1. Pulse shaping
 - ✗ 2. Blocking
 - ✗ 3. Amplification
 - ✗ 4. Filtering

Question ID : 54335318321
Option 1 ID : 54335373542
Option 2 ID : 54335373543
Option 3 ID : 54335373541
Option 4 ID : 54335373540
Status : Answered
Chosen Option : 3

Q.4
7 Which of the following computer hardware is used to display instant feedback of our actions?

- Ans
- ✗ 1. Keyboard
 - ✗ 2. Mouse
 - ✓ 3. Monitor
 - ✗ 4. Printer

Question ID : 54335318309
Option 1 ID : 54335373492
Option 2 ID : 54335373493
Option 3 ID : 54335373495
Option 4 ID : 54335373494
Status : Answered

Q.4
8 A Hartley oscillator is commonly used in _____.

- Ans
- ☒ 1. Radio Receivers
 - ☐ 2. Radio Transmitters
 - ☐ 3. TV Receivers
 - ☐ 4. TV Transmitters

Question ID : 54335318318
Option 1 ID : 54335373530
Option 2 ID : 54335373531
Option 3 ID : 54335373529
Option 4 ID : 54335373528
Status : Not Answered
Chosen Option : --

Q.4
9 Which of the following is a concept in mobile communication?

- Ans
- ☐ 1. Triplexing
 - ☒ 2. Duplexing
 - ☐ 3. Simplexing
 - ☐ 4. Quadraplexing

Question ID : 54335318330
Option 1 ID : 54335373578
Option 2 ID : 54335373576
Option 3 ID : 54335373577
Option 4 ID : 54335373579
Status : Answered
Chosen Option : 2

Q.5
0 Solar cells work on the principle of _____.

- Ans
- ☐ 1. Isolation and Opto coupling
 - ☐ 2. Isolation
 - ☒ 3. Photovoltaic
 - ☐ 4. Opto coupling

Question ID : 54335318329
Option 1 ID : 54335373575
Option 2 ID : 54335373574
Option 3 ID : 54335373573
Option 4 ID : 54335373572
Status : Marked For Review
Chosen Option : 3

Q.5
1 In design of optical fiber transmission link LED's and LASER's are used as _____

- Ans
- ☐ 1. Detectors
 - ☒ 2. Sources
 - ☐ 3. Repeaters
 - ☐ 4. Amplifiers

Question ID : 54335318277

Option 1 ID : 54335373364

Option 2 ID : 54335373366

Option 3 ID : 54335373367

Option 4 ID : 54335373365

Status : Answered

Chosen Option : 1

Q.5
2 For Clamp circuit one must _____

- Ans
- ☒ 1. add DC signal with DC
 - ☒ 2. add AC signal with DC
 - ☒ 3. add AC signal with AC
 - ☒ 4. subtract AC from DC

Question ID : 54335318283

Option 1 ID : 54335373389

Option 2 ID : 54335373388

Option 3 ID : 54335373390

Option 4 ID : 54335373391

Status : Not Answered

Chosen Option : --

Q.5
3 Which material is used to prepare optical fiber as a transmission media?

- Ans
- ☒ 1. Glass & plastic
 - ☒ 2. Copper
 - ☒ 3. Silver
 - ☒ 4. Aluminum

Question ID : 54335318279

Option 1 ID : 54335373372

Option 2 ID : 54335373373

Option 3 ID : 54335373375

Option 4 ID : 54335373374

Status : Answered

Chosen Option : 1

Q.5
4 In Microsoft Excel we cannot calculate _____

- Ans
- ☒ 1. differentiation problems
 - ☒ 2. division problems
 - ☒ 3. arithmetic problems
 - ☒ 4. multiplication problems

Question ID : 54335318288

Option 1 ID : 54335373409

Option 2 ID : 54335373410

Option 3 ID : 54335373408

Option 4 ID : 54335373411

Status : Answered

Chosen Option : 1

Q.5
5 If a regulator IC provides a voltage higher than input, then the converter is known as _____.

- Ans
- ☒ 1. Boost

- ☒ 2. Buck
- ☒ 3. Buffer
- ☒ 4. Buck-Boost

Question ID : 54335318342
Option 1 ID : 54335373626
Option 2 ID : 54335373625
Option 3 ID : 54335373627
Option 4 ID : 54335373624
Status : Not Answered
Chosen Option : --

Q.5
6 Transformer Eddy current losses are created due to _____

- Ans
- ☒ 1. secondary winding
 - ☒ 2. copper
 - ☒ 3. core
 - ☒ 4. primary winding

Question ID : 54335318276
Option 1 ID : 54335373360
Option 2 ID : 54335373361
Option 3 ID : 54335373362
Option 4 ID : 54335373363
Status : Marked For Review
Chosen Option : 3

Q.5
7 What happens to the Base emitter voltage of a transistor due to increase in temperature?

- Ans
- ☒ 1. Becomes 0
 - ☒ 2. Decreases
 - ☒ 3. Remains the same
 - ☒ 4. Increases

Question ID : 54335318316
Option 1 ID : 54335373522
Option 2 ID : 54335373523
Option 3 ID : 54335373520
Option 4 ID : 54335373521
Status : Not Answered
Chosen Option : --

Q.5
8 Reverse biasing of a Zener diode _____

- Ans
- ☒ 1. conducts electricity
 - ☒ 2. does not conduct electricity
 - ☒ 3. amplifies electricity
 - ☒ 4. oscillates

Question ID : 54335318339
Option 1 ID : 54335373612
Option 2 ID : 54335373613
Option 3 ID : 54335373614
Option 4 ID : 54335373615
Status : Marked For Review
Chosen Option : 3

Q.5
9 What colour LED lamp is commonly used for domestic use?

- Ans
- ☒ 1. White
 - ☐ 2. Black
 - ☐ 3. Red
 - ☐ 4. Green

Question ID : 54335318303

Option 1 ID : 54335373470

Option 2 ID : 54335373469

Option 3 ID : 54335373468

Option 4 ID : 54335373471

Status : Answered

Chosen Option : 1

Q.6
0 The point of intersection of DC and AC load line is known as _____.

- Ans
- ☐ 1. Voltage Gain
 - ☒ 2. Operating Point
 - ☐ 3. Power Gain
 - ☐ 4. Current Gain

Question ID : 54335318314

Option 1 ID : 54335373513

Option 2 ID : 54335373515

Option 3 ID : 54335373514

Option 4 ID : 54335373512

Status : Not Answered

Chosen Option : --

Q.6
1 In two stages, Transistor TC coupling _____

- Ans
- ☐ 1. creates isolation between the two stages
 - ☐ 2. blocks the AC between the two stages
 - ☒ 3. creates direct coupling between the two stages
 - ☐ 4. stops the AC and passes the DC

Question ID : 54335318295

Option 1 ID : 54335373437

Option 2 ID : 54335373438

Option 3 ID : 54335373436

Option 4 ID : 54335373439

Status : Not Answered

Chosen Option : --

Q.6
2 With Class C amplifier, gain is _____ compared to Class A amplifier.

- Ans
- ☐ 1. low
 - ☐ 2. equal
 - ☒ 3. high
 - ☐ 4. moderate

Question ID : 54335318297

Option 1 ID : 54335373444

Option 2 ID : 54335373447

Option 3 ID : 54335373445
Option 4 ID : 54335373446
Status : Not Answered
Chosen Option : --

Q.6 10 cells are connected in parallel with the internal resistance of 1Ω and 1.5Volts. The total voltage and total resistance is
3

- Ans
- ☒ 1. 10V and 1.5Ω
 - ☒ 2. 1.5V and 0.1Ω
 - ☒ 3. 100V and 15Ω
 - ☒ 4. 1.8V and 1.5Ω

Question ID : 54335318275
Option 1 ID : 54335373358
Option 2 ID : 54335373357
Option 3 ID : 54335373359
Option 4 ID : 54335373356
Status : Answered
Chosen Option : 2

Q.6 Which of the following software is used for programming a micro controller?
4

- Ans
- ☒ 1. Microsoft Word
 - ☒ 2. Microsoft Paint
 - ☒ 3. Microsoft Excel
 - ☒ 4. Keil

Question ID : 54335318308
Option 1 ID : 54335373490
Option 2 ID : 54335373489
Option 3 ID : 54335373491
Option 4 ID : 54335373488
Status : Answered
Chosen Option : 4

Q.6 An amplifier with a positive feedback circuit causes _____
5

- Ans
- ☒ 1. bandwidth to stabilize
 - ☒ 2. gain of an amplifier to stabilize
 - ☒ 3. bandwidth to decrease
 - ☒ 4. bandwidth to increase

Question ID : 54335318296
Option 1 ID : 54335373442
Option 2 ID : 54335373443
Option 3 ID : 54335373440
Option 4 ID : 54335373441
Status : Not Answered
Chosen Option : --

Q.6 If a regulator IC provides a voltage lower than input then the converter is known as _____.
6

- Ans
- ☒ 1. Boost
 - ☒ 2. Buffer
 - ☒ 3. Buck-Boost
 - ☒ 4. Buck

Question ID : 54335318307

Option 1 ID : 54335373486

Option 2 ID : 54335373487

Option 3 ID : 54335373484

Option 4 ID : 54335373485

Status : Not Answered

Chosen Option : --

Q.6
7 What is the use of an LED driver?

- Ans
- ☒ 1. It converts DC to AC
 - ☒ 2. It converts AC to DC
 - ☒ 3. It converts AC to AC
 - ☒ 4. It converts DC to DC

Question ID : 54335318304

Option 1 ID : 54335373475

Option 2 ID : 54335373474

Option 3 ID : 54335373473

Option 4 ID : 54335373472

Status : Not Answered

Chosen Option : --

Q.6
8 In a PNP Transistor voltage divider biasing _____ resistors are used:

- Ans
- ☒ 1. one
 - ☒ 2. four
 - ☒ 3. three
 - ☒ 4. two

Question ID : 54335318291

Option 1 ID : 54335373423

Option 2 ID : 54335373422

Option 3 ID : 54335373421

Option 4 ID : 54335373420

Status : Answered

Chosen Option : 2

Q.6
9 On the load line (with AC input in CE) which one of the following is NOT possible?

- Ans
- ☒ 1. Cut off point
 - ☒ 2. Oscillation
 - ☒ 3. Saturation point
 - ☒ 4. Q / Operating point

Question ID : 54335318292

Option 1 ID : 54335373424

Option 2 ID : 54335373427

Option 3 ID : 54335373425

Option 4 ID : 54335373426

Status : Answered

Chosen Option : 3

Q.7
0 The heat sink of the BU205 transistor can be connected _____

- Ans
- ☒ 1. directly

- ☒ 2. through a mica sheet
- ☐ 3. directly and through the cap
- ☐ 4. through the cap

Question ID : 54335318294
Option 1 ID : 54335373432
Option 2 ID : 54335373434
Option 3 ID : 54335373435
Option 4 ID : 54335373433

Status : Answered
Chosen Option : 4

Q.7
1 Which of the following is a feature of a Darlington pair amplifier?

- Ans
- ☐ 1. Voltage gain is nil
 - ☒ 2. High input impedance and low voltage gain
 - ☐ 3. Low input impedance and low voltage gain
 - ☐ 4. High input impedance and high voltage gain

Question ID : 54335318320
Option 1 ID : 54335373539
Option 2 ID : 54335373537
Option 3 ID : 54335373538
Option 4 ID : 54335373536

Status : Answered
Chosen Option : 3

Q.7
2 On which of the following frequencies does a Wi-Fi network work?

- Ans
- ☐ 1. 2.4 MHz
 - ☐ 2. 5 MHz
 - ☐ 3. 10 GHz
 - ☒ 4. 5 GHz

Question ID : 54335318311
Option 1 ID : 54335373500
Option 2 ID : 54335373501
Option 3 ID : 54335373503
Option 4 ID : 54335373502

Status : Answered
Chosen Option : 3

Q.7
3 A unijunction transistor (UJT) is used to generate a ____ wave

- Ans
- ☐ 1. square
 - ☐ 2. sine
 - ☒ 3. sawtooth
 - ☐ 4. triangle

Question ID : 54335318337
Option 1 ID : 54335373605
Option 2 ID : 54335373604
Option 3 ID : 54335373607
Option 4 ID : 54335373606

Status : Answered
Chosen Option : 1

Q.7
4 A Flip Flop is a _____ oscillator.

- Ans
- ☒ 1. four stable
 - ☒ 2. bi-stable
 - ☒ 3. mono stable
 - ☒ 4. three stable

Question ID : 54335318327

Option 1 ID : 54335373567

Option 2 ID : 54335373565

Option 3 ID : 54335373564

Option 4 ID : 54335373566

Status : Not Answered

Chosen Option : --

Q.7
5 What is the full form of MCB?

- Ans
- ☒ 1. Miniature Circuit Broker
 - ☒ 2. Maximum Circuit Breaker
 - ☒ 3. Miniature Circuit Breaker
 - ☒ 4. Minimum Circuit Breaker

Question ID : 54335318334

Option 1 ID : 54335373595

Option 2 ID : 54335373593

Option 3 ID : 54335373592

Option 4 ID : 54335373594

Status : Answered

Chosen Option : 4