



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

- 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 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

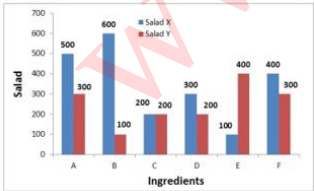
Question ID : 54335318192
Option 1 ID : 54335373027
Option 2 ID : 54335373024
Option 3 ID : 54335373026
Option 4 ID : 54335373025
Status : Marked For Review
Chosen Option : 4

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 60Ω are connected in parallel to get an effective resistance of 24Ω . 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

☒ 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 ☒ 1. candela
☒ 2. radian
☒ 3. ampere
☒ 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 ☒ 1. 400
☒ 2. 600
☒ 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 ☒ 1. 25
☒ 2. 10
☒ 3. 20
☒ 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

Option 4 ID : 54335373095
Status : Marked For Review
Chosen Option : 3

Q.3 2 Select the option that is related to the third word on the same basis as the second word is related to the first word.
Poem : Stanza :: Book : ?

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

Question ID : 54335318246
Option 1 ID : 54335373240
Option 2 ID : 54335373243
Option 3 ID : 54335373241
Option 4 ID : 54335373242
Status : Marked For Review
Chosen Option : 3

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

- 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

Question ID : 54335318254
Option 1 ID : 54335373275
Option 2 ID : 54335373273
Option 3 ID : 54335373272
Option 4 ID : 54335373274
Status : Marked For Review
Chosen Option : 4

Q.3 4 Choose the figure which is different from the rest.

- 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

Question ID : 54335318259
Option 1 ID : 54335373293
Option 2 ID : 54335373294
Option 3 ID : 54335373292
Option 4 ID : 54335373295

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 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 = 1 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 _____.

- 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 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

Chosen Option : 4

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 घोड़ागाड़ी हैं।

कथन २: सभी गाड़ी ठेलागाड़ी हैं।

निष्कर्ष I: सभी घोड़ागाड़ी ठेलागाड़ी हैं।

निष्कर्ष II: कुछ ठेलागाड़ी घोड़ागाड़ी 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% of (15 × 8 ÷ 6 + 12)] = _____

- 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

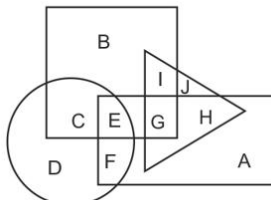
Option 3 ID : 54335373290

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.

4

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 $(2,3)$.

- 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 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

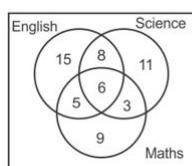
Option 3 ID : 54335372988

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

Chosen Option : 4

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. संतर
 - ✗ 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.

4 -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

Status : Not Attempted and Marked For Review
Chosen Option : --

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. बेजीन 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

Chosen Option : 3

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