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# RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

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

Roll No:	
Participants Name:	
Test Center Name:	
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 S 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 S 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  $7.8 \text{ gm/cm}^3$ )

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

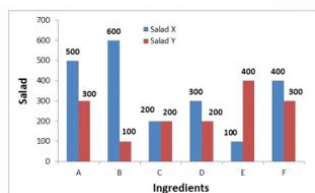
Question ID : 54335318192  
Option 1 ID : 54335373027  
Option 2 ID : 54335373024  
Option 3 ID : 54335373026  
Option 4 ID : 54335373025  
Status : Marked For Review  
Chosen Option : 4

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

- 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 To \_\_\_\_\_ is to prepare a storage medium, usually a disk, for reading and writing.  
5

- 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 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?  
6

- 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 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?  
7

- 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  $R$ .

8

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?

9

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  $\text{Jg}^{-1}$ ), if it releases 250 joules of heat when it condenses at its boiling point of  $196^\circ\text{C}$ .

- 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  
9 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  
0 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  
1 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. 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 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

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 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

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 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

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  
**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  
6 8 सेमी भुजाओं वाले समबाहु त्रिभुज का क्षेत्रफल (सेमी<sup>2</sup> 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  
7 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  
8 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।  
0 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, अ  
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

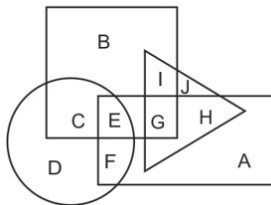
Option 3 ID : 54335373290

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  $-100^{\circ}$  Celsius = \_\_\_\_\_ Fahrenheit

- Ans
- 1.  $-148^{\circ}$
  - 2.  $173^{\circ}$
  - 3.  $-373^{\circ}$
  - 4.  $-212^{\circ}$

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  $2 \text{ mA}$  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  $(2,3)$ .

- 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?

- 6
- 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 ' $\sigma$ ', length 'L' and area of cross section 'A' of a metal wire?

- 7
- 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

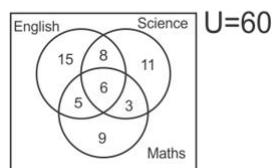
Option 3 ID : 54335372988

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 सेमी<sup>2</sup> 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<sup>-1</sup>K<sup>-1</sup>

✗ 2. 1.25 Jkg<sup>-1</sup>K<sup>-1</sup>

✓ 3. 250 JK<sup>-1</sup>

✗ 4. 5 JK<sup>-1</sup>

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 <sub>3</sub> 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 <sub>4</sub> 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 <sub>5</sub> 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  
3 (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

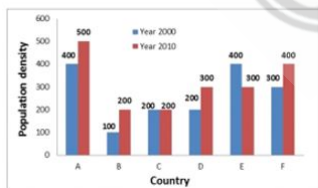
Option 4 ID : 54335373249

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

5  
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 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 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  $80^\circ\text{C}$  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 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  $(0.1^2 - 0.025^2) \div (0.1 - 0.025) = \underline{\hspace{2cm}}$ .

- 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  $\frac{1}{6}$ th that on earth. How much would an astronaut weigh on moon if he weighs 90 kgf on earth? (acceleration due to gravity on earth =  $10\text{m/s}^2$ )

- 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  $90^{\circ}\text{C}$  is mixed with three and a half litres of cold water at  $10^{\circ}\text{C}$ , find the final equilibrium temperature (in  $^{\circ}\text{C}$ ) 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 ट्रैफिक 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. बेन्जीन वाष्प
  - 2. खरपतवारनाशक (हर्बिसाइड)
  - 3. आर्सेनिक
  - 4. अन्नक 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  $1\Omega$  and  $1.5\text{Volts}$ . The total voltage and total resistance is

3

- Ans
- 1.  $10\text{V}$  and  $1.5\Omega$
  - 2.  $1.5\text{V}$  and  $0.1\Omega$
  - 3.  $100\text{V}$  and  $15\Omega$
  - 4.  $1.8\text{V}$  and  $1.5\Omega$

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

