



# 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 : Refrigeration and Air Conditioning 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** 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. 15 km/h
  - 2. 16 km/h
  - 3. 18 km/h
  - 4. 20 km/h

Question ID : 54335319457  
 Option 1 ID : 54335378087  
 Option 2 ID : 54335378084  
 Option 3 ID : 54335378085  
 Option 4 ID : 54335378086

Status : Answered

Chosen Option : 3

**Q.2** Find the missing number in the given series.

-1.3, -0.8, -0.3, ?, 0.7, 1.2

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

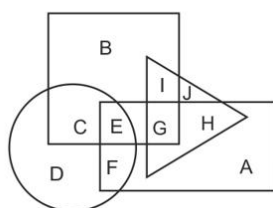
Question ID : 54335319473  
 Option 1 ID : 54335378151  
 Option 2 ID : 54335378148  
 Option 3 ID : 54335378150  
 Option 4 ID : 54335378149

Status : Answered

Chosen Option : 4

**Q.3**

In the following figure, the triangle represents actors, the square represents professors, the circle represents Indians and the rectangle represents fathers. Which set of letters represents Indians who are either professors or fathers?



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

Question ID : 54335319480

Option 1 ID : 54335378177

Option 2 ID : 54335378179

Option 3 ID : 54335378176

Option 4 ID : 54335378178

Status : Answered

Chosen Option : 3

Q.4 The author of 'The Monk Who Sold His Ferrari' is \_\_\_\_\_.

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

Question ID : 54335319400

Option 1 ID : 54335377858

Option 2 ID : 54335377859

Option 3 ID : 54335377856

Option 4 ID : 54335377857

Status : Not Attempted and Marked For Review

Chosen Option : --

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. Only assumption I is implicit
  - 3. Only assumption II is implicit
  - 4. Neither I nor II is implicit

Question ID : 54335319488

Option 1 ID : 54335378211

Option 2 ID : 54335378208

Option 3 ID : 54335378209

Option 4 ID : 54335378210

Status : Answered

Chosen Option : 2

Q.6 A trader buys 60 bags of grain at ₹ 400 each. If he sells 18 bags at 8% profit, at what price should he sell the remaining bags to make 16.4% overall profit on selling the 60 bags?

- Ans
- 1. ₹ 480
  - 2. ₹ 500
  - 3. ₹ 540
  - 4. ₹ 520

Question ID : 54335319460

Option 1 ID : 54335378099

Option 2 ID : 54335378096

Option 3 ID : 54335378098

Option 4 ID : 54335378097

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.7 An object with greater \_\_\_\_\_ has greater inertia.

- Ans
- 1. velocity
  - 2. acceleration
  - 3. volume
  - 4. mass

Question ID : 54335319422

Option 1 ID : 54335377944

Option 2 ID : 54335377946

Option 3 ID : 54335377947

Option 4 ID : 54335377945

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 What is the diameter (in cm) of a sphere of surface area  $1386 \text{ cm}^2$  ?

- Ans
- 1. 14
  - 2. 21
  - 3. 10.5
  - 4. 24.5

Question ID : 54335319454

Option 1 ID : 54335378074

Option 2 ID : 54335378072

Option 3 ID : 54335378073

Option 4 ID : 54335378075

Status : Answered

Chosen Option : 4

Q.9 An arrowhead at the end of a dimension line is approximately \_\_\_\_\_ long and 1 mm wide.

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

Question ID : 54335319409

Option 1 ID : 54335377894

Option 2 ID : 54335377895

Option 3 ID : 54335377893

Option 4 ID : 54335377892

Status : **Not Answered**  
Chosen Option : --

Q.1 Select the option that is related to the third word on the same basis as the second word is related to the first word.

0 Letter : Envelope :: Dagger : ?

- Ans  1. Sheath  
 2. Weapon  
 3. Sword  
 4. Sharp

Question ID : **54335319470**  
Option 1 ID : **54335378136**  
Option 2 ID : **54335378137**  
Option 3 ID : **54335378138**  
Option 4 ID : **54335378139**  
Status : **Answered**  
Chosen Option : **1**

Q.1 Find the work done (in kJ) if a force of 750 N pushes a cart of mass 30 kg by 16 m.

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

Question ID : **54335319411**  
Option 1 ID : **54335377900**  
Option 2 ID : **54335377901**  
Option 3 ID : **54335377903**  
Option 4 ID : **54335377902**  
Status : **Answered**  
Chosen Option : **2**

Q.1 Choose the figure which is different from the rest.

- 2  
Ans  1. 

N	H	Z
C	F	D
A	E	Q

  
 2. 

Z	C	H
F	A	N
Q	D	E

  
 3. 

H	D	N
F	O	Z
C	E	A

  
 4. 

A	C	Q
Z	D	E
N	F	H

Question ID : **54335319484**  
Option 1 ID : **54335378195**  
Option 2 ID : **54335378193**  
Option 3 ID : **54335378194**  
Option 4 ID : **54335378192**

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

Q.1 In a certain code language, '+' represents '×', '×' represents '+', '-' represents '÷' and '÷' represents '-'. Find out the answer

3 to the following question.

$$12 \div 6 - 2 + 10 \times 5 = ?$$

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

Question ID : 54335319476

Option 1 ID : 54335378163

Option 2 ID : 54335378162

Option 3 ID : 54335378161

Option 4 ID : 54335378160

Status : Answered

Chosen Option : 2

Q.1  $20 - 2[25\% \text{ of } (15 \times 8 \div 6 + 12)] = \underline{\hspace{2cm}}$

- Ans
- 1. 4
  - 2. 6
  - 3. 10
  - 4. 8

Question ID : 54335319447

Option 1 ID : 54335378047

Option 2 ID : 54335378044

Option 3 ID : 54335378046

Option 4 ID : 54335378045

Status : Answered

Chosen Option : 1

Q.1 Which hazardous substance can cause lung cancer?

- Ans
- 1. Benzene vapours
  - 2. Asbestos particles
  - 3. Herbicides
  - 4. Arsenic

Question ID : 54335319413

Option 1 ID : 54335377908

Option 2 ID : 54335377909

Option 3 ID : 54335377911

Option 4 ID : 54335377910

Status : Not Answered

Chosen Option : --

Q.1 210 mm x 297 mm are the dimensions of \_\_\_\_\_ size paper.

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

Question ID : 54335319406

Option 1 ID : 54335377883

Option 2 ID : 54335377881

Option 3 ID : 54335377880  
Option 4 ID : 54335377882  
Status : Answered  
Chosen Option : 1

Q.1  
7 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. 15.6 gm
  - 4. 62.4 gm

Question ID : 54335319410  
Option 1 ID : 54335377898  
Option 2 ID : 54335377896  
Option 3 ID : 54335377899  
Option 4 ID : 54335377897  
Status : Answered  
Chosen Option : 4

Q.1  
8 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. 6
  - 2. 3
  - 3. 4
  - 4. 9

Question ID : 54335319456  
Option 1 ID : 54335378082  
Option 2 ID : 54335378083  
Option 3 ID : 54335378081  
Option 4 ID : 54335378080  
Status : Answered  
Chosen Option : 1

Q.1  
9 Which of the following gases is a highly poisonous, odourless, tasteless and colourless gas?

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

Question ID : 54335319442  
Option 1 ID : 54335378024  
Option 2 ID : 54335378027  
Option 3 ID : 54335378025  
Option 4 ID : 54335378026  
Status : Not Answered  
Chosen Option : --

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

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

Question ID : 54335319441  
 Option 1 ID : 54335378020  
 Option 2 ID : 54335378023  
 Option 3 ID : 54335378022  
 Option 4 ID : 54335378021  
 Status : Not Answered  
 Chosen Option : --

**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. BDCA  
 2. BDAC  
 3. DBCA  
 4. DBAC

Question ID : 54335319492  
 Option 1 ID : 54335378225  
 Option 2 ID : 54335378224  
 Option 3 ID : 54335378227  
 Option 4 ID : 54335378226  
 Status : Answered  
 Chosen Option : 2

**Q.2** 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. 0.16  
 3. 1.56  
 4. 0.25

Question ID : 54335319427  
 Option 1 ID : 54335377966  
 Option 2 ID : 54335377965  
 Option 3 ID : 54335377964  
 Option 4 ID : 54335377967  
 Status : Answered  
 Chosen Option : 4

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

Ans  1. 53  
 2. 27  
 3. 5  
 4. 19

Question ID : 54335319462  
 Option 1 ID : 54335378105  
 Option 2 ID : 54335378104  
 Option 3 ID : 54335378107

Option 4 ID : 54335378106  
Status : Answered  
Chosen Option : 1

Q.2  
4 What is the area (in  $\text{cm}^2$ ) of an equilateral triangle of side 8 cm?

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

Question ID : 54335319453  
Option 1 ID : 54335378070  
Option 2 ID : 54335378068  
Option 3 ID : 54335378071  
Option 4 ID : 54335378069  
Status : Marked For Review  
Chosen Option : 4

Q.2  
5 \_\_\_\_\_ is the physiological adjustment by an organism to environmental change.

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

Question ID : 54335319443  
Option 1 ID : 54335378029  
Option 2 ID : 54335378028  
Option 3 ID : 54335378030  
Option 4 ID : 54335378031  
Status : Answered  
Chosen Option : 2

Q.2  
6 Choose the letters which are different from the rest.

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

Question ID : 54335319485  
Option 1 ID : 54335378196  
Option 2 ID : 54335378197  
Option 3 ID : 54335378199  
Option 4 ID : 54335378198  
Status : Answered  
Chosen Option : 3

Q.2  
7 Binary 110110101 is equal to decimal \_\_\_\_\_.

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



Question ID : 54335319445  
Option 1 ID : 54335378039  
Option 2 ID : 54335378038  
Option 3 ID : 54335378036  
Option 4 ID : 54335378037

Status : Answered  
Chosen Option : 4

Q.2  
8 A/An \_\_\_\_\_ is software used to maintain the security of a private network.

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

Question ID : 54335319414  
Option 1 ID : 54335377915  
Option 2 ID : 54335377913  
Option 3 ID : 54335377914  
Option 4 ID : 54335377912

Status : Answered  
Chosen Option : 2

Q.2  
9 Who was the chairman of the Constitution Drafting Committee?

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

Question ID : 54335319395  
Option 1 ID : 54335377837  
Option 2 ID : 54335377838  
Option 3 ID : 54335377836  
Option 4 ID : 54335377839

Status : Answered  
Chosen Option : 2

Q.3  
0 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. 600
  - 2. 400
  - 3. 800
  - 4. 300

Question ID : 54335319425  
Option 1 ID : 54335377957  
Option 2 ID : 54335377956  
Option 3 ID : 54335377959  
Option 4 ID : 54335377958

Status : Answered  
Chosen Option : 4

Q.3  
1 The Umaid Bhawan Palace is in which city?

- Ans
- 1. Jaipur
  - 2. Jodhpur

3. Bikaner

4. Udaipur

Question ID : 54335319402

Option 1 ID : 54335377865

Option 2 ID : 54335377867

Option 3 ID : 54335377866

Option 4 ID : 54335377864

Status : Not Answered

Chosen Option : --

**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.

**2** 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. 1/15

2. 1/8

3. 1/12

4. 1/6

Question ID : 54335319434

Option 1 ID : 54335377995

Option 2 ID : 54335377993

Option 3 ID : 54335377992

Option 4 ID : 54335377994

Status : Not Answered

Chosen Option : --

**Q.3** 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

**3** what does P S Q \* R # S mean?

**Ans**  1. P is the father of S

2. P is the brother-in-law of S

3. P is the son of S

4. P is the brother of S

Question ID : 54335319478

Option 1 ID : 54335378171

Option 2 ID : 54335378170

Option 3 ID : 54335378168

Option 4 ID : 54335378169

Status : Answered

Chosen Option : 1

**Q.3** What is the angle between the hour hand and the minute hand at half past two?

**4**

**Ans**  1. 105°

2. 75°

3. 120°

4. 90°

Question ID : 54335319468

Option 1 ID : 54335378129

Option 2 ID : 54335378128

Option 3 ID : 54335378131

Option 4 ID : 54335378130

Status : Answered

Chosen Option : 1

Q.3 Classical musician Shivkumar Sharma is associated with which musical instrument?

5

- Ans
- 1. Shehnai
  - 2. Tabla
  - 3. Violin
  - 4. Santoor

Question ID : 54335319403

Option 1 ID : 54335377869

Option 2 ID : 54335377868

Option 3 ID : 54335377870

Option 4 ID : 54335377871

Status : Not Answered

Chosen Option : --

Q.3 If 36 J of work is done in moving a charge Q across 8 V, find Q (in coulombs).

6

- Ans
- 1. 288
  - 2. 9
  - 3. 4.5
  - 4. 16

Question ID : 54335319430

Option 1 ID : 54335377976

Option 2 ID : 54335377977

Option 3 ID : 54335377979

Option 4 ID : 54335377978

Status : Answered

Chosen Option : 3

Q.3 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. 8
  - 3. 12
  - 4. 10

Question ID : 54335319469

Option 1 ID : 54335378133

Option 2 ID : 54335378132

Option 3 ID : 54335378135

Option 4 ID : 54335378134

Status : Answered

Chosen Option : 4

Q.3 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.

8

- Ans
- 1. 20
  - 2. 40
  - 3. 30
  - 4. 50

Question ID : 54335319435

Option 1 ID : 54335377996

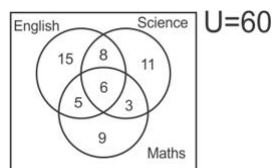
Option 2 ID : 54335377998

Option 3 ID : 54335377997

Option 4 ID : 54335377999

Status : **Not Answered**  
Chosen Option : --

**Q.3** 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. 3  
 2. 12  
 3. 9  
 4. 6

Question ID : **54335319481**  
Option 1 ID : **54335378180**  
Option 2 ID : **54335378183**  
Option 3 ID : **54335378182**  
Option 4 ID : **54335378181**  
Status : **Answered**  
Chosen Option : 2

**Q.4** One statement is given followed by two conclusions. Decide which of the given conclusions can definitely be drawn from the given statement.

**Statement:** As income increases, cars become more affordable.

**Conclusion I:** With greater use of technology, cars are now cheaper than they were a generation ago.

**Conclusion II:** Cars will become so numerous that no future technology will solve the traffic problem.

- Ans  1. Only conclusion I follows  
 2. Both I and II follow  
 3. Neither I nor II follows  
 4. Only conclusion II follows

Question ID : **54335319494**  
Option 1 ID : **54335378232**  
Option 2 ID : **54335378235**  
Option 3 ID : **54335378234**  
Option 4 ID : **54335378233**  
Status : **Not Answered**  
Chosen Option : --

**Q.4**  
1 Which of the following folk dances is from Assam?

- Ans  1. Giddha  
 2. Lezim  
 3. Nati  
 4. Bagurumba

Question ID : **54335319404**  
Option 1 ID : **54335377874**  
Option 2 ID : **54335377875**  
Option 3 ID : **54335377872**  
Option 4 ID : **54335377873**  
Status : **Not Answered**  
Chosen Option : --

Q.4 What is the relative density of a solid of mass 50 gm which when fully immersed in water weighs 10 gm?

2

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

Question ID : 54335319433

Option 1 ID : 54335377989

Option 2 ID : 54335377988

Option 3 ID : 54335377991

Option 4 ID : 54335377990

Status : Answered

Chosen Option : 1

Q.4  $-100^{\circ}$  Celsius = \_\_\_\_\_ Fahrenheit

3

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

Question ID : 54335319439

Option 1 ID : 54335378015

Option 2 ID : 54335378012

Option 3 ID : 54335378014

Option 4 ID : 54335378013

Status : Answered

Chosen Option : 4

Q.4 When a number is increased by 36, it becomes 109% of itself. What is the number?

4

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

Question ID : 54335319452

Option 1 ID : 54335378065

Option 2 ID : 54335378067

Option 3 ID : 54335378064

Option 4 ID : 54335378066

Status : Answered

Chosen Option : 4

Q.4 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.

5

- Ans
- 1. 36
  - 2. 45
  - 3. 48
  - 4. 40

Question ID : 54335319416

Option 1 ID : 54335377921

Option 2 ID : 54335377923

Option 3 ID : 54335377920

Option 4 ID : 54335377922  
 Status : Answered  
 Chosen Option : 4

Q.4  
 6 Rearrange the parts of the sentence in correct order.

In terms of reasons that a customer

X - possibility is that they've actually finished changing, but

Y - might not come out of the changing room, one

Z - the clothes are hopelessly unsuitable

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

Question ID : 54335319491  
 Option 1 ID : 54335378223  
 Option 2 ID : 54335378221  
 Option 3 ID : 54335378222  
 Option 4 ID : 54335378220  
 Status : Answered  
 Chosen Option : 1

Q.4  
 7 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. 3/5
  - 2. 4/9
  - 3. 9/16
  - 4. 9/25

Question ID : 54335319424  
 Option 1 ID : 54335377952  
 Option 2 ID : 54335377953  
 Option 3 ID : 54335377954  
 Option 4 ID : 54335377955  
 Status : Not Answered  
 Chosen Option : --

Q.4  
 8 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 =  $1 \text{ g/cm}^3$ )

- Ans
- 1. 60
  - 2. 20
  - 3. 80
  - 4. 40

Question ID : 54335319423  
 Option 1 ID : 54335377950  
 Option 2 ID : 54335377949  
 Option 3 ID : 54335377951  
 Option 4 ID : 54335377948  
 Status : Not Answered  
 Chosen Option : --

Q.4  
 9 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. 12
  - 2. 20
  - 3. 10
  - 4. 25

Question ID : 54335319459  
Option 1 ID : 54335378092  
Option 2 ID : 54335378095  
Option 3 ID : 54335378094  
Option 4 ID : 54335378093  
Status : Not Answered  
Chosen Option : --

Q.5  
0 A bullet travels 90 m in 0.2 seconds. Find its speed in km/hr.

- Ans
- 1. 162
  - 2. 1,620
  - 3. 1,250
  - 4. 125

Question ID : 54335319438  
Option 1 ID : 54335378009  
Option 2 ID : 54335378010  
Option 3 ID : 54335378011  
Option 4 ID : 54335378008  
Status : Answered  
Chosen Option : 2

Q.5  
1 Two resistors of  $R \Omega$  and  $60 \Omega$  are connected in parallel to get an effective resistance of  $24 \Omega$ . Find  $R$ .

- Ans
- 1. 56
  - 2. 64
  - 3. 48
  - 4. 40

Question ID : 54335319429  
Option 1 ID : 54335377973  
Option 2 ID : 54335377975  
Option 3 ID : 54335377972  
Option 4 ID : 54335377974  
Status : Answered  
Chosen Option : 4

Q.5  
2 Antihistamines are found in some first-aid boxes. When should these drugs be taken?

- Ans
- 1. To aid in clotting of blood
  - 2. To ease the symptoms of hay fever and other allergies
  - 3. To ease indigestion and heartburn
  - 4. To bring relief from asthma

Question ID : 54335319436  
Option 1 ID : 54335378000  
Option 2 ID : 54335378001  
Option 3 ID : 54335378003  
Option 4 ID : 54335378002  
Status : Not Answered

Chosen Option : --

**Q.5** 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. 8 km east
  - 2. 12 km east
  - 3. 12 km west
  - 4. 8 km west

Question ID : 54335319487

Option 1 ID : 54335378205

Option 2 ID : 54335378207

Option 3 ID : 54335378206

Option 4 ID : 54335378204

Status : Answered

Chosen Option : 4

**Q.5** 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 =  $10\text{m/s}^2$ )

- Ans
- 1. 15 N
  - 2. 150 N
  - 3. 90 N
  - 4. 9 N

Question ID : 54335319415

Option 1 ID : 54335377917

Option 2 ID : 54335377918

Option 3 ID : 54335377916

Option 4 ID : 54335377919

Status : Answered

Chosen Option : 4

**Q.5** 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. 50
  - 2. 250
  - 3. 25
  - 4. 500

Question ID : 54335319405

Option 1 ID : 54335377876

Option 2 ID : 54335377877

Option 3 ID : 54335377878

Option 4 ID : 54335377879

Status : Not Answered

Chosen Option : --

**Q.5** Here are some words from an artificial language.

unacri means lighthouse

bancri means lightweight

banetu means overweight

Which word would mean 'overdrive'?

- Ans
- 1. adiban
  - 2. adietu

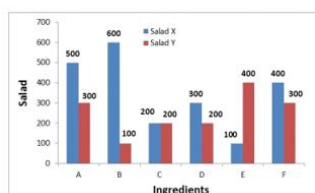


3. simuna  
 4. criteh

Question ID : 54335319475  
 Option 1 ID : 54335378157  
 Option 2 ID : 54335378158  
 Option 3 ID : 54335378156  
 Option 4 ID : 54335378159

Status : Answered  
 Chosen Option : 2

- Q.5** 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. 37.50%  
 2. 25%  
 3. 20%  
 4. 22.50%

Question ID : 54335319490  
 Option 1 ID : 54335378217  
 Option 2 ID : 54335378216  
 Option 3 ID : 54335378218  
 Option 4 ID : 54335378219

Status : Not Answered  
 Chosen Option : --

- Q.5** At present, the ratio between the ages of Anu and Dimpy is 5 : 8. After 2 years, the ratio of their ages will become 2 : 3.  
**8** What was Dimpy's age before 2 years?

- Ans**  1. 10  
 2. 12  
 3. 16  
 4. 14

Question ID : 54335319467  
 Option 1 ID : 54335378126  
 Option 2 ID : 54335378127  
 Option 3 ID : 54335378125  
 Option 4 ID : 54335378124

Status : Answered  
 Chosen Option : 4

- Q.5** In the question, two statements are given, followed by three conclusions, I, II and III. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

**Statement 1:** All flags are banners.

**Statement 2:** Some flags are emblems.

**Conclusion I:** Some emblems are banners.

**Conclusion II:** All banners are emblems.

**Conclusion III:** No emblems are banners.

- Ans**  1. Only conclusion I follows

- 2. Only conclusion III follows
- 3. All conclusions I, II and III follow
- 4. Only conclusion I and III follow

Question ID : 54335319483  
Option 1 ID : 54335378188  
Option 2 ID : 54335378189  
Option 3 ID : 54335378191  
Option 4 ID : 54335378190  
Status : Answered  
Chosen Option : 3

Q.6  
0 To \_\_\_\_\_ is to prepare a storage medium, usually a disk, for reading and writing.

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

Question ID : 54335319444  
Option 1 ID : 54335378035  
Option 2 ID : 54335378033  
Option 3 ID : 54335378034  
Option 4 ID : 54335378032  
Status : Answered  
Chosen Option : 4

Q.6  
1 Choose the one which is different from the rest.

- Ans
- 1. Father
  - 2. Son
  - 3. Mother-in-law
  - 4. Brother

Question ID : 54335319486  
Option 1 ID : 54335378200  
Option 2 ID : 54335378202  
Option 3 ID : 54335378203  
Option 4 ID : 54335378201  
Status : Answered  
Chosen Option : 3

Q.6  
2 Which of the following is NOT a base unit?

- Ans
- 1. mole
  - 2. ampere
  - 3. radian
  - 4. candela

Question ID : 54335319420  
Option 1 ID : 54335377938  
Option 2 ID : 54335377939  
Option 3 ID : 54335377937  
Option 4 ID : 54335377936  
Status : Answered  
Chosen Option : 3

Q.6  
3 Who invented the blue jeans?

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

Question ID : 54335319399  
 Option 1 ID : 54335377854  
 Option 2 ID : 54335377852  
 Option 3 ID : 54335377853  
 Option 4 ID : 54335377855  
 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  
4 'A' of a metal wire?

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

Question ID : 54335319408  
 Option 1 ID : 54335377891  
 Option 2 ID : 54335377888  
 Option 3 ID : 54335377889  
 Option 4 ID : 54335377890  
 Status : Marked For Review  
 Chosen Option : 4

Q.6 Select the option that is related to the third word on the same basis as the second word is related to the first word.  
5 Poem : Stanza :: Book : ?

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

Question ID : 54335319471  
 Option 1 ID : 54335378143  
 Option 2 ID : 54335378140  
 Option 3 ID : 54335378142  
 Option 4 ID : 54335378141  
 Status : Answered  
 Chosen Option : 3

Q.6 Find the value of  $5 \sin\theta - 2 \operatorname{cosec}\theta$ , if  $\theta = 30^\circ$ .

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

Question ID : 54335319464  
 Option 1 ID : 54335378112  
 Option 2 ID : 54335378115  
 Option 3 ID : 54335378114

Option 4 ID : 54335378113  
 Status : Answered  
 Chosen Option : 2

Q.6 In a certain gear train, the driver has 18 teeth while the follower has 8 teeth. For every 16 turns of the driver, the  
 7 follower turns \_\_\_\_\_ times.

- Ans
- 1. 18
  - 2. 8
  - 3. 36
  - 4. 9

Question ID : 54335319412  
 Option 1 ID : 54335377906  
 Option 2 ID : 54335377905  
 Option 3 ID : 54335377904  
 Option 4 ID : 54335377907  
 Status : Answered  
 Chosen Option : 3

Q.6 Farad per metre is the unit of \_\_\_\_\_.

- Ans
- 1. watt per steradian
  - 2. permittivity
  - 3. permeability
  - 4. electric conductance

Question ID : 54335319421  
 Option 1 ID : 54335377943  
 Option 2 ID : 54335377941  
 Option 3 ID : 54335377942  
 Option 4 ID : 54335377940  
 Status : Answered  
 Chosen Option : 4

Q.6 Which of the following is an example of a first class lever?

- Ans
- 1. Ice tongs
  - 2. Wheel barrow
  - 3. A pair of scissors
  - 4. Nut cracker

Question ID : 54335319440  
 Option 1 ID : 54335378019  
 Option 2 ID : 54335378016  
 Option 3 ID : 54335378017  
 Option 4 ID : 54335378018  
 Status : Answered  
 Chosen Option : 3

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

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

Question ID : 54335319461  
 Option 1 ID : 54335378101  
 Option 2 ID : 54335378100  
 Option 3 ID : 54335378102  
 Option 4 ID : 54335378103

Status : Answered  
 Chosen Option : 2

Q.7  
 1 Find the highest common factor of 506 and 782.

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

Question ID : 54335319450

Option 1 ID : 54335378059

Option 2 ID : 54335378058

Option 3 ID : 54335378057

Option 4 ID : 54335378056

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

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

Question ID : 54335319449

Option 1 ID : 54335378055

Option 2 ID : 54335378054

Option 3 ID : 54335378053

Option 4 ID : 54335378052

Status : Not Answered  
 Chosen Option : --

Q.7  
 3 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. Quarter
  - 2. One-thirds
  - 3. Half
  - 4. Three fourths

Question ID : 54335319455

Option 1 ID : 54335378076

Option 2 ID : 54335378078

Option 3 ID : 54335378079

Option 4 ID : 54335378077

Status : Answered  
 Chosen Option : 3

Q.7  
 4 If  $8 \# 12 = 10$ ;  $5 \# 9 = 7$ ;  $6 \# 10 = 8$ , then find the value of  $14 \# 4$ .

- Ans
- 1. 10
  - 2. 9

3. 5

4. 3

Question ID : 54335319477  
 Option 1 ID : 54335378164  
 Option 2 ID : 54335378165  
 Option 3 ID : 54335378166  
 Option 4 ID : 54335378167  
 Status : Answered  
 Chosen Option : 2

Q.7 In the following question, which set of letters and numbers, when sequentially placed at the gaps in the given series,  
 5 shall complete it?

1\_2x\_bb\_yy\_cc\_6zzz

Ans  1. a345c

2. 3a45b

3. 3a4b5

4. 3a45c

Question ID : 54335319472  
 Option 1 ID : 54335378147  
 Option 2 ID : 54335378145  
 Option 3 ID : 54335378146  
 Option 4 ID : 54335378144  
 Status : Answered  
 Chosen Option : 1

Q.7 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  
 6 condenses at its boiling point of  $196^\circ \text{C}$ .

Ans  1. 469

2. 500

3. 312.5

4. 200

Question ID : 54335319407  
 Option 1 ID : 54335377886  
 Option 2 ID : 54335377885  
 Option 3 ID : 54335377884  
 Option 4 ID : 54335377887  
 Status : Answered  
 Chosen Option : 4

Q.7 A \_\_\_\_\_ map converts colour intensity or grayscale information to heights to give the appearance that features are  
 7 raised above the surface, like embossed letters.

Ans  1. shade

2. bump

3. tone

4. tint

Question ID : 54335319419  
 Option 1 ID : 54335377932  
 Option 2 ID : 54335377934  
 Option 3 ID : 54335377935  
 Option 4 ID : 54335377933  
 Status : Not Answered  
 Chosen Option : --

Q.7 A truck of mass 5000 kg accelerates from 25 m/s to 35 m/s. Find the change in its kinetic energy (in MJ).

8

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

Question ID : 54335319437

Option 1 ID : 54335378004

Option 2 ID : 54335378007

Option 3 ID : 54335378006

Option 4 ID : 54335378005

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

Chosen Option : --

Q.7 Find the potential difference (in V) across a resistance of 2.5 k $\Omega$  through which a 2 mA current flows.

9

- Ans
- 1. 5
  - 2. 0.2
  - 3. 1.25
  - 4. 0.8

Question ID : 54335319431

Option 1 ID : 54335377983

Option 2 ID : 54335377982

Option 3 ID : 54335377980

Option 4 ID : 54335377981

Status : **Answered**

Chosen Option : 1

Q.8 The Living Planet Report, released every two years, is the flagship publication of which organisation?

0

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

Question ID : 54335319396

Option 1 ID : 54335377840

Option 2 ID : 54335377842

Option 3 ID : 54335377843

Option 4 ID : 54335377841

Status : **Not Answered**

Chosen Option : --

Q.8 In a certain code DIRTY is coded as 24759 and FOAM is coded as 1863. Using the same code ARID will be coded as

1

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

Question ID : 54335319474

Option 1 ID : 54335378153

Option 2 ID : 54335378152

Option 3 ID : 54335378155

Option 4 ID : 54335378154

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

Q.8  
 2 The sum of two binary numbers 1101111 and 1100101 is \_\_\_\_\_.

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

Question ID : 54335319446  
 Option 1 ID : 54335378043  
 Option 2 ID : 54335378042  
 Option 3 ID : 54335378041  
 Option 4 ID : 54335378040  
 Status : **Not Answered**  
 Chosen Option : --

Q.8  
 3 Which team won the Indian Premier League (IPL) in 2018?

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

Question ID : 54335319401  
 Option 1 ID : 54335377863  
 Option 2 ID : 54335377862  
 Option 3 ID : 54335377860  
 Option 4 ID : 54335377861  
 Status : **Answered**  
 Chosen Option : 2

Q.8  
 4 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. 250 JK<sup>-1</sup>
  - 2. 5 JK<sup>-1</sup>
  - 3. 50 Jkg<sup>-1</sup>K<sup>-1</sup>
  - 4. 1.25 Jkg<sup>-1</sup>K<sup>-1</sup>

Question ID : 54335319426  
 Option 1 ID : 54335377960  
 Option 2 ID : 54335377962  
 Option 3 ID : 54335377961  
 Option 4 ID : 54335377963  
 Status : **Answered**  
 Chosen Option : 4

Q.8  
 5 If 3A = 6B = 7C; find A : B : C.

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



Question ID : 54335319451

Option 1 ID : 54335378063

Option 2 ID : 54335378060

Option 3 ID : 54335378061

Option 4 ID : 54335378062

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8  
6  $(0.1^2 - 0.025^2) \div (0.1 - 0.025) = \underline{\hspace{2cm}}$ .

Ans  1. 0.325 2. 0.125 3. 0.625 4. 0.25

Question ID : 54335319448

Option 1 ID : 54335378051

Option 2 ID : 54335378049

Option 3 ID : 54335378050

Option 4 ID : 54335378048

Status : Answered

Chosen Option : 2

Q.8  
7 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 : 54335319463

Option 1 ID : 54335378110

Option 2 ID : 54335378109

Option 3 ID : 54335378111

Option 4 ID : 54335378108

Status : Answered

Chosen Option : 1

Q.8  
8 The National Skills Development Corporation (NSDC) is a public-private partnership formed under India's \_\_\_\_\_.

Ans  1. Ministry of Finance 2. Ministry of Electronics & Information Technology 3. Ministry of Corporate Affairs 4. Ministry of Science & Technology

Question ID : 54335319397

Option 1 ID : 54335377844

Option 2 ID : 54335377845

Option 3 ID : 54335377847

Option 4 ID : 54335377846

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8  
9 The resistance of a metal rod depends on all of the following, EXCEPT \_\_\_\_\_.

Ans  1. resistivity

- 2. density
- 3. length
- 4. temperature

Question ID : 54335319428  
 Option 1 ID : 54335377971  
 Option 2 ID : 54335377970  
 Option 3 ID : 54335377969  
 Option 4 ID : 54335377968  
 Status : Answered  
 Chosen Option : 1

Q.9 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. 10%
  - 2. 15%
  - 3. 12%
  - 4. 8%

Question ID : 54335319458  
 Option 1 ID : 54335378088  
 Option 2 ID : 54335378091  
 Option 3 ID : 54335378089  
 Option 4 ID : 54335378090  
 Status : Not Answered  
 Chosen Option : --

Q.9 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. 25.00%
  - 3. 40.00%
  - 4. 100.00%

Question ID : 54335319432  
 Option 1 ID : 54335377987  
 Option 2 ID : 54335377985  
 Option 3 ID : 54335377986  
 Option 4 ID : 54335377984  
 Status : Answered  
 Chosen Option : 1

Q.9 \_\_\_\_\_ is when we cover a surface with a pattern of flat shapes so that there are no overlaps or gaps.

- Ans
- 1. Tessellation
  - 2. Tracking
  - 3. Gradient
  - 4. Kerning

Question ID : 54335319417  
 Option 1 ID : 54335377926  
 Option 2 ID : 54335377925  
 Option 3 ID : 54335377927  
 Option 4 ID : 54335377924  
 Status : Not Answered  
 Chosen Option : --

Q.9 Find x if the mean of the numbers 10, 4, 1, 15, 15, x, 12 and 14 is 10.

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

Question ID : 54335319465  
 Option 1 ID : 54335378118  
 Option 2 ID : 54335378116  
 Option 3 ID : 54335378119  
 Option 4 ID : 54335378117  
 Status : Answered  
 Chosen Option : 3

Q.9 In the question, two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement 1: Some wagons are buggies.  
 Statement 2: All wagons are carts.

Conclusion I: All buggies are carts.  
 Conclusion II: Some carts are buggies.

- Ans
- 1. Only conclusion I follows
  - 2. Both I and II follow
  - 3. Neither I nor II follows
  - 4. Only conclusion II follows

Question ID : 54335319482  
 Option 1 ID : 54335378184  
 Option 2 ID : 54335378186  
 Option 3 ID : 54335378187  
 Option 4 ID : 54335378185  
 Status : Answered  
 Chosen Option : 2

Q.9 If  $\sqrt{X + 0.24} = \sqrt{0.1296}$ , then find X.

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

Question ID : 54335319466  
 Option 1 ID : 54335378123  
 Option 2 ID : 54335378121  
 Option 3 ID : 54335378120  
 Option 4 ID : 54335378122  
 Status : Answered  
 Chosen Option : 1

Q.9 Which of the following recipients of the Dadasaheb Phalke Award received it posthumously?

- Ans
- 1. Vinod Khanna
  - 2. Satyajit Ray
  - 3. Naushad

**X** 4. Durga Khote

Question ID : 54335319398

Option 1 ID : 54335377850

Option 2 ID : 54335377851

Option 3 ID : 54335377848

Option 4 ID : 54335377849

Status : Answered

Chosen Option : 1

Q.9 A said to B, "You are my husband's daughter-in-law's son." How is B related to A?

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

Question ID : 54335319479

Option 1 ID : 54335378174

Option 2 ID : 54335378172

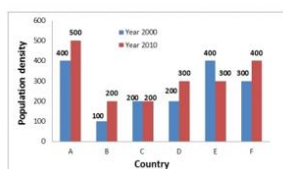
Option 3 ID : 54335378175

Option 4 ID : 54335378173

Status : Answered

Chosen Option : 2

Q.9 The bar graph shows the population density of 6 countries for the years 2000 and 2010. By how much is area of Country B greater than area of Country D, if population of Country B in 2000 was 10 million and population of Country D in 2010 was 6 million. Population density is measured here as number of people per 100 sq. km.



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

Question ID : 54335319489

Option 1 ID : 54335378213

Option 2 ID : 54335378214

Option 3 ID : 54335378212

Option 4 ID : 54335378215

Status : Not Answered

Chosen Option : --

Q.9 \_\_\_\_\_ curves employ at least three points to define a curve. The two endpoints of the curve are called anchor points.

9 The other points, which define the shape of the curve, are called handles, tangent points, or nodes.

- Ans **X** 1. Bicorn  
**✓** 2. Bezier  
**X** 3. Deltoid  
**X** 4. Kappa

Question ID : 54335319418

Option 1 ID : 54335377928

Option 2 ID : 54335377931

Option 3 ID : 54335377929

Option 4 ID : 54335377930  
 Status : Not Answered  
 Chosen Option : --

Q.1 The weights of 3 boxes are 4, 7 and 10 kilograms. Which of the following CANNOT be the total weight, in kilograms, of any combination of these boxes?

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

Question ID : 54335319493  
 Option 1 ID : 54335378228  
 Option 2 ID : 54335378231  
 Option 3 ID : 54335378230  
 Option 4 ID : 54335378229  
 Status : Not Answered  
 Chosen Option : --

Section : Refrigeration and Air Conditioning Mechanic

Q.1 Capillary tube is the expansion valve used in refrigeration and Air Conditioning units \_\_\_\_\_

- Ans
- 1. With more than 10 ton cooling capacity
  - 2. With less than 3 ton cooling capacity
  - 3. With more than 3 ton cooling capacity
  - 4. With less than 10 ton cooling capacity

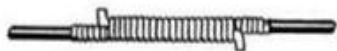
Question ID : 54335319529  
 Option 1 ID : 54335378373  
 Option 2 ID : 54335378374  
 Option 3 ID : 54335378372  
 Option 4 ID : 54335378375  
 Status : Not Answered  
 Chosen Option : --

Q.2 After AC installation, how should one check for the performance?

- Ans
- 1. Run unit for a minimum of 05 - 10 minutes
  - 2. Run unit for a minimum of 10 - 15 minutes
  - 3. Run unit for a minimum of 0 - 05 minutes
  - 4. Run unit for a minimum of 20 - 25 minutes

Question ID : 54335319548  
 Option 1 ID : 54335378449  
 Option 2 ID : 54335378450  
 Option 3 ID : 54335378451  
 Option 4 ID : 54335378448  
 Status : Answered  
 Chosen Option : 2

Q.3



What is the name of this electrical wire joint?

- Ans
- 1. "T" Joint
  - 2. Britannia joint
  - 3. Western union joint
  - 4. Straight joint

Question ID : 54335319506  
Option 1 ID : 54335378283  
Option 2 ID : 54335378282  
Option 3 ID : 54335378281  
Option 4 ID : 54335378280  
Status : Answered  
Chosen Option : 2

Q.4 Convert 2-Ton refrigeration to horsepower (metric).

- Ans
- 1. 9.56
  - 2. 7.46
  - 3. 8.97
  - 4. 6.47

Question ID : 54335319520  
Option 1 ID : 54335378337  
Option 2 ID : 54335378338  
Option 3 ID : 54335378336  
Option 4 ID : 54335378339  
Status : Answered  
Chosen Option : 2

Q.5 Improper flaring is directly related with \_\_\_\_\_

- Ans
- 1. Leakage of refrigerant
  - 2. Saving money
  - 3. Appearance
  - 4. Longevity of equipment

Question ID : 54335319544  
Option 1 ID : 54335378432  
Option 2 ID : 54335378433  
Option 3 ID : 54335378434  
Option 4 ID : 54335378435  
Status : Not Answered  
Chosen Option : --

Q.6 In a multi split AC system \_\_\_\_\_

- Ans
- 1. You can set different temperatures for different rooms
  - 2. Temperature controls are installed in each room
  - 3. You cannot set different temperatures for different rooms
  - 4. You cannot control temperature by single temperature controller

Question ID : 54335319543  
Option 1 ID : 54335378430  
Option 2 ID : 54335378431

Option 3 ID : 54335378428  
Option 4 ID : 54335378429  
Status : Answered  
Chosen Option : 2

Q.7 What is the purpose of Taper reamer?

- Ans
- 1. To finish parallel hole
  - 2. To finish taper hole
  - 3. To finish irregular hole
  - 4. To finish square hole

Question ID : 54335319500  
Option 1 ID : 54335378256  
Option 2 ID : 54335378259  
Option 3 ID : 54335378257  
Option 4 ID : 54335378258  
Status : Not Answered  
Chosen Option : --

Q.8 Which type of file is suitable to file right angle finish corner?

- Ans
- 1. Round file
  - 2. Square file
  - 3. Safe edge file
  - 4. Triangular file

Question ID : 54335319495  
Option 1 ID : 54335378238  
Option 2 ID : 54335378236  
Option 3 ID : 54335378239  
Option 4 ID : 54335378237  
Status : Answered  
Chosen Option : 2

Q.9 How the OLP is connected with Refrigeration circuit of a refrigerator?

- Ans
- 1. Parallel with Running & Starting
  - 2. Series with Common winding
  - 3. Series with Running winding
  - 4. Series with Starting winding

Question ID : 54335319539  
Option 1 ID : 54335378412  
Option 2 ID : 54335378415  
Option 3 ID : 54335378413  
Option 4 ID : 54335378414  
Status : Not Answered  
Chosen Option : --

Q.10 When retrofitting a CFC-12 system to an HFC-134a system, Which two items must be installed or replaced?

- Ans
- 1. Fitting adaptors and the drier
  - 2. Compressor and O-rings
  - 3. Label and the condenser

✔ 4. Fitting adaptors and a label

Question ID : 54335319546  
Option 1 ID : 54335378442  
Option 2 ID : 54335378440  
Option 3 ID : 54335378443  
Option 4 ID : 54335378441  
Status : Not Answered  
Chosen Option : --

Q.1  
1 Which rays are produced during welding?

- Ans
- ✘ 1. X-rays
  - ✘ 2. Gamma rays
  - ✔ 3. Ultraviolet rays
  - ✘ 4. Microwaves rays

Question ID : 54335319515  
Option 1 ID : 54335378316  
Option 2 ID : 54335378319  
Option 3 ID : 54335378317  
Option 4 ID : 54335378318  
Status : Answered  
Chosen Option : 2

Q.1  
2 A spring bender is used for \_\_\_\_\_

- Ans
- ✔ 1. bending the copper tube
  - ✘ 2. swaging the copper tube
  - ✘ 3. flaring the copper tube
  - ✘ 4. straightening the copper tube

Question ID : 54335319557  
Option 1 ID : 54335378487  
Option 2 ID : 54335378485  
Option 3 ID : 54335378486  
Option 4 ID : 54335378484  
Status : Not Answered  
Chosen Option : --

Q.1  
3 Which type of relay is used with window type air conditioner?

- Ans
- ✘ 1. Potential relay
  - ✘ 2. PTCR
  - ✘ 3. PTC
  - ✔ 4. Electromagnetic relay

Question ID : 54335319552  
Option 1 ID : 54335378466  
Option 2 ID : 54335378464  
Option 3 ID : 54335378465  
Option 4 ID : 54335378467  
Status : Not Answered  
Chosen Option : --

Q.1



4 Which is not the type of air conditioner compressor?

- Ans
- 1. Scroll
  - 2. Rotary
  - 3. Centrifugal
  - 4. Absorption

Question ID : 54335319516  
Option 1 ID : 54335378320  
Option 2 ID : 54335378321  
Option 3 ID : 54335378322  
Option 4 ID : 54335378323  
Status : Answered  
Chosen Option : 4

Q.1  
5 Which is NOT the cause of weak airflow in CAR AC?

- Ans
- 1. Mold or mildew may have accumulated in the evaporator core from residual moisture.
  - 2. Low air velocity outside car.
  - 3. Ventilation fan is not blowing air.
  - 4. The blower hose that supplies air to the blower unit has come loose.

Question ID : 54335319545  
Option 1 ID : 54335378437  
Option 2 ID : 54335378436  
Option 3 ID : 54335378439  
Option 4 ID : 54335378438  
Status : Answered  
Chosen Option : 2

Q.1  
6 What is the use of a tap?

- Ans
- 1. Cleaning external thread
  - 2. Forming external thread
  - 3. Forming internal thread
  - 4. Forming thread on nipple

Question ID : 54335319498  
Option 1 ID : 54335378250  
Option 2 ID : 54335378248  
Option 3 ID : 54335378249  
Option 4 ID : 54335378251  
Status : Not Answered  
Chosen Option : --

Q.1  
7 The domestic refrigerator uses following type of compressor.

- Ans
- 1. Piston type reciprocating
  - 2. Axial
  - 3. Centrifugal
  - 4. Miniature sealed unit

Question ID : 54335319554  
Option 1 ID : 54335378472  
Option 2 ID : 54335378473  
Option 3 ID : 54335378474  
Option 4 ID : 54335378475  
Status : Answered  
Chosen Option : 3

Q.1  
8 What will be the value of 18SWG in millimeters?

- Ans
- 1. 1.34 mm
  - 2. 1.14 mm
  - 3. 1.44 mm
  - 4. 1.24 mm

Question ID : 54335319503  
Option 1 ID : 54335378268  
Option 2 ID : 54335378270  
Option 3 ID : 54335378271  
Option 4 ID : 54335378269  
Status : Not Answered  
Chosen Option : --

Q.1  
9 What is the colour of Argon cylinder?

- Ans
- 1. Maroon
  - 2. Yellow shoulder
  - 3. Dark green shoulder
  - 4. Grey shoulder

Question ID : 54335319517  
Option 1 ID : 54335378324  
Option 2 ID : 54335378327  
Option 3 ID : 54335378326  
Option 4 ID : 54335378325  
Status : Not Answered  
Chosen Option : --

Q.2  
0 What is the outcome of having a straight copper pipe fitting in refrigeration cycle?

- Ans
- 1. Pressure will increase
  - 2. Pressure will NOT drop
  - 3. Pressure keeps fluctuating
  - 4. Pressure will decrease

Question ID : 54335319533  
Option 1 ID : 54335378389  
Option 2 ID : 54335378391  
Option 3 ID : 54335378388  
Option 4 ID : 54335378390  
Status : Not Answered  
Chosen Option : --

Q.2  
1 Which type of expansion device is used for MAC?

- Ans
- 1. Orifice expansion valve
  - 2. Automatic expansion valve

- 3. Thermal expansion valve
- 4. Capillary tube type

Question ID : 54335319524  
Option 1 ID : 54335378355  
Option 2 ID : 54335378354  
Option 3 ID : 54335378352  
Option 4 ID : 54335378353  
Status : **Not Answered**  
Chosen Option : --

Q.2  
2 What is the use of Thermo-Volume Switch?

- Ans
- 1. Engaging / disengaging magnetic clutch
  - 2. Controlling fan speed
  - 3. Setting cooling range for thermostat
  - 4. Controlling air flow

Question ID : 54335319563  
Option 1 ID : 54335378509  
Option 2 ID : 54335378508  
Option 3 ID : 54335378510  
Option 4 ID : 54335378511  
Status : **Answered**  
Chosen Option : 3

Q.2  
3 Which is NOT a Common Car Air Conditioning System Problem?

- Ans
- 1. Moisture deposition
  - 2. Soiled or clogged Condenser
  - 3. Pungent Odors
  - 4. Engine backfiring

Question ID : 54335319547  
Option 1 ID : 54335378445  
Option 2 ID : 54335378444  
Option 3 ID : 54335378447  
Option 4 ID : 54335378446  
Status : **Answered**  
Chosen Option : 4

Q.2  
4 What will be the temperature of single door refrigerator's freezer box?

- Ans
- 1.  $-10^{\circ}\text{C}$
  - 2.  $-18^{\circ}\text{C}$
  - 3.  $-12^{\circ}\text{C}$
  - 4.  $-11^{\circ}\text{C}$

Question ID : 54335319528  
Option 1 ID : 54335378371  
Option 2 ID : 54335378370  
Option 3 ID : 54335378369  
Option 4 ID : 54335378368  
Status : **Not Answered**  
Chosen Option : --

Q.2  
5 Which type of snip is suitable to cut curved surfaces?

- Ans
- 1. Bent snip
  - 2. Scissor type snip
  - 3. Aviation snip
  - 4. Straight snip

Question ID : 54335319504  
Option 1 ID : 54335378274  
Option 2 ID : 54335378275  
Option 3 ID : 54335378273  
Option 4 ID : 54335378272  
Status : Not Answered  
Chosen Option : --

Q.2  
6 Freon group of refrigerant are \_\_\_\_\_

- Ans
- 1. Nontoxic and non-inflammable
  - 2. Toxic and non-inflammable
  - 3. Toxic and inflammable
  - 4. Nontoxic and inflammable

Question ID : 54335319569  
Option 1 ID : 54335378535  
Option 2 ID : 54335378534  
Option 3 ID : 54335378532  
Option 4 ID : 54335378533  
Status : Answered  
Chosen Option : 1

Q.2  
7 Which lubricants are used with HFC and their blends?

- Ans
- 1. Mixture of synthetic and mineral oils
  - 2. Mineral oil
  - 3. Synthetic oil
  - 4. Coconut oil

Question ID : 54335319551  
Option 1 ID : 54335378463  
Option 2 ID : 54335378461  
Option 3 ID : 54335378462  
Option 4 ID : 54335378460  
Status : Not Answered  
Chosen Option : --

Q.2  
8 In window type air conditioner, thermostat is fixed between \_\_\_\_\_.

- Ans
- 1. Selector switch and OLP
  - 2. Relay and OLP
  - 3. Running winding and Condenser fan
  - 4. Relay and Winding

Question ID : 54335319553  
Option 1 ID : 54335378470

Option 2 ID : 54335378468  
 Option 3 ID : 54335378471  
 Option 4 ID : 54335378469  
 Status : Not Answered  
 Chosen Option : --

Q.2  
9 Where is a Cassette A/C indoor unit installed?

- Ans
- 1. Near a window of the room
  - 2. Floor of the room
  - 3. Wall of the room
  - 4. Roof of the room

Question ID : 54335319559  
 Option 1 ID : 54335378495  
 Option 2 ID : 54335378493  
 Option 3 ID : 54335378492  
 Option 4 ID : 54335378494  
 Status : Answered  
 Chosen Option : 1

Q.3  
0 Direct On Line starter used with motor is \_\_\_\_\_.

- Ans
- 1. 11 - 50 HP
  - 2. Above 70 HP
  - 3. 51 - 69 HP
  - 4. 0 - 10 HP

Question ID : 54335319501  
 Option 1 ID : 54335378261  
 Option 2 ID : 54335378263  
 Option 3 ID : 54335378262  
 Option 4 ID : 54335378260  
 Status : Not Answered  
 Chosen Option : --

Q.3  
1 Which refrigerant is newly introduced to replace R - 22?

- Ans
- 1. R - 510D
  - 2. R - 507C
  - 3. R - 410A
  - 4. R - 410C

Question ID : 54335319550  
 Option 1 ID : 54335378457  
 Option 2 ID : 54335378459  
 Option 3 ID : 54335378456  
 Option 4 ID : 54335378458  
 Status : Not Answered  
 Chosen Option : --

Q.3  
2



Which type of welding is indicated with this symbol?

- Ans
- 1. Fillet

- 2. Spot
- 3. Plug or slot
- 4. Seam

Question ID : 54335319519  
 Option 1 ID : 54335378333  
 Option 2 ID : 54335378335  
 Option 3 ID : 54335378332  
 Option 4 ID : 54335378334  
 Status : Not Answered  
 Chosen Option : --

Q.3  
 3 What is the relation between voltage and ampere?

- Ans
- 1.  $V = I + R$
  - 2.  $V = I$
  - 3.  $V = IR$
  - 4.  $V = \frac{I}{R}$

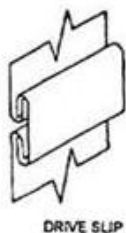
Question ID : 54335319509  
 Option 1 ID : 54335378292  
 Option 2 ID : 54335378295  
 Option 3 ID : 54335378294  
 Option 4 ID : 54335378293  
 Status : Answered  
 Chosen Option : 3

Q.3  
 4 Gas welding is also known as:

- Ans
- 1. Fuel welding
  - 2. Oxy fuel gas welding
  - 3. Arc welding
  - 4. Metallic welding

Question ID : 54335319510  
 Option 1 ID : 54335378296  
 Option 2 ID : 54335378299  
 Option 3 ID : 54335378297  
 Option 4 ID : 54335378298  
 Status : Answered  
 Chosen Option : 3

Q.3  
 5



Drive slip is used to construct a \_\_\_\_\_.

- Ans
- 1. Tray
  - 2. Funnel

3. Duct  
 4. Bucket

Question ID : 54335319499  
Option 1 ID : 54335378252  
Option 2 ID : 54335378253  
Option 3 ID : 54335378254  
Option 4 ID : 54335378255  
Status : Answered  
Chosen Option : 3

Q.3  
6 In an Air conditioning system, the vacuum pump is required to create a vacuum state of \_\_\_\_\_.

- Ans  1. 1,200 microns  
 2. 500 microns  
 3. 4,500 microns  
 4. 1,500 microns

Question ID : 54335319531  
Option 1 ID : 54335378382  
Option 2 ID : 54335378380  
Option 3 ID : 54335378383  
Option 4 ID : 54335378381  
Status : Not Answered  
Chosen Option : --

Q.3  
7 How is the condensed water drained from a cassette unit?

- Ans  1. Siphon method  
 2. Condensation method  
 3. Gravitational method  
 4. Pumping method

Question ID : 54335319560  
Option 1 ID : 54335378496  
Option 2 ID : 54335378498  
Option 3 ID : 54335378499  
Option 4 ID : 54335378497  
Status : Answered  
Chosen Option : 4

Q.3  
8 A cooling tower reduces water temperature close to:

- Ans  1. Saturation temperature  
 2. Wet bulb temperature  
 3. Dew point temperature  
 4. Dry bulb temperature

Question ID : 54335319558  
Option 1 ID : 54335378491  
Option 2 ID : 54335378488  
Option 3 ID : 54335378490  
Option 4 ID : 54335378489  
Status : Answered  
Chosen Option : 3

Q.3  
9 The moisture in refrigerant is removed by \_\_\_\_\_

- Ans
- 1. Evaporator
  - 2. Dehumidifier
  - 3. Expansion valve
  - 4. Drier

Question ID : 54335319549  
Option 1 ID : 54335378452  
Option 2 ID : 54335378455  
Option 3 ID : 54335378453  
Option 4 ID : 54335378454  
Status : Answered  
Chosen Option : 2

Q.4  
0 Aqua ammonia is used as refrigerant in following type of refrigeration system.

- Ans
- 1. Absorption
  - 2. Indirect
  - 3. Direct
  - 4. Compression

Question ID : 54335319568  
Option 1 ID : 54335378530  
Option 2 ID : 54335378529  
Option 3 ID : 54335378528  
Option 4 ID : 54335378531  
Status : Answered  
Chosen Option : 1

Q.4  
1 What type of condenser is used in chest type deep freezer?

- Ans
- 1. Forced, air cooled
  - 2. Water cooled
  - 3. Natural convention type
  - 4. Air and water cooled

Question ID : 54335319541  
Option 1 ID : 54335378421  
Option 2 ID : 54335378422  
Option 3 ID : 54335378420  
Option 4 ID : 54335378423  
Status : Not Answered  
Chosen Option : --

Q.4  
2 An expansion valve is fitted in the refrigeration unit.

- Ans
- 1. After the evaporator
  - 2. Before the condenser
  - 3. Before the evaporator
  - 4. Before the compressor

Question ID : 54335319530  
Option 1 ID : 54335378379  
Option 2 ID : 54335378377



Option 3 ID : 54335378378  
 Option 4 ID : 54335378376  
 Status : Answered  
 Chosen Option : 3

Q.4  
3 Heat transfer is faster in \_\_\_\_\_.

- Ans  1. Radiation  
 2. Convection  
 3. Conduction  
 4. Isolation

Question ID : 54335319526  
 Option 1 ID : 54335378363  
 Option 2 ID : 54335378361  
 Option 3 ID : 54335378360  
 Option 4 ID : 54335378362  
 Status : Answered  
 Chosen Option : 3

Q.4  
4 Condenser in a refrigeration system decreases

- Ans  1. Volume only  
 2. Pressure only  
 3. Temperature and pressure  
 4. Temperature only

Question ID : 54335319565  
 Option 1 ID : 54335378519  
 Option 2 ID : 54335378518  
 Option 3 ID : 54335378517  
 Option 4 ID : 54335378516  
 Status : Answered  
 Chosen Option : 2

Q.4  
5 In a split AC \_\_\_\_\_

- Ans  1.  
 Compressor and condenser are part of an external unit while the evaporative coil is part of the indoor Air Handling Unit  
 2.  
 Compressor and condenser are part of an Internal unit while the evaporative coil is part of the outdoor Air Handling Unit  
 3.  
 A single unit contains compressors, motors, connecting pipes and heat exchangers  
 4. Compressor in the AC installed on the unit itself

Question ID : 54335319537  
 Option 1 ID : 54335378405  
 Option 2 ID : 54335378407  
 Option 3 ID : 54335378406  
 Option 4 ID : 54335378404  
 Status : Not Answered  
 Chosen Option : --

Q.4  
6 What is the low-pressure switch range?

- Ans  1. Cut On  $4.1 + 0.3 \text{ Kg/cm}^2$ , Off  $7.0 + 0.2 \text{ Kg/cm}^2$

2. Cut On  $2.1 + 0.3 \text{ Kg/cm}^2$ , Off  $2.0 + 0.2 \text{ Kg/cm}^2$   
 3. Cut out : On  $36 + 3.0$ ,  $\text{Kg/cm}^2$ , Off  $30 + 2.0 \text{ Kg/cm}^2$   
 4. Cut out : On  $26 + 3.0$ ,  $\text{Kg/cm}^2$ , Off  $32 + 2.0 \text{ Kg/cm}^2$

Question ID : 54335319564  
 Option 1 ID : 54335378515  
 Option 2 ID : 54335378512  
 Option 3 ID : 54335378514  
 Option 4 ID : 54335378513  
 Status : Not Answered  
 Chosen Option : --

Q.4  
7 Which of the following refrigerant is replaced in retrofitting?

- Ans  1. CFC-11  
 2. R-401A  
 3. HFC-134a  
 4. HCFC-22

Question ID : 54335319536  
 Option 1 ID : 54335378402  
 Option 2 ID : 54335378401  
 Option 3 ID : 54335378400  
 Option 4 ID : 54335378403  
 Status : Answered  
 Chosen Option : 3

Q.4  
8 Most of the chances of leakage in a split air conditioner are from \_\_\_\_\_

- Ans  1. Compressor outer case joint  
 2. Swage joint  
 3. Processing tube joint  
 4. Flare joint

Question ID : 54335319561  
 Option 1 ID : 54335378501  
 Option 2 ID : 54335378502  
 Option 3 ID : 54335378500  
 Option 4 ID : 54335378503  
 Status : Not Answered  
 Chosen Option : --

Q.4  
9 Which is the best way of checking leak of split A/C condenser installed unit?

- Ans  1. With electronic leak detector  
 2. Dipping in water tub  
 3. Hearing hissing sound  
 4. Smelling

Question ID : 54335319555  
 Option 1 ID : 54335378479  
 Option 2 ID : 54335378477  
 Option 3 ID : 54335378478  
 Option 4 ID : 54335378476  
 Status : Not Answered

Chosen Option : --

Q.5  
0 Domestic refrigerators working on vapor compression cycle uses following type of expansion device.

- Ans
- 1. Expansion valve
  - 2. Thermostatic valve
  - 3. Capillary tube
  - 4. Electrically operated throttling valve

Question ID : 54335319567

Option 1 ID : 54335378525

Option 2 ID : 54335378526

Option 3 ID : 54335378527

Option 4 ID : 54335378524

Status : Answered

Chosen Option : 4

Q.5  
1 What type of relay fits with DOL starter?

- Ans
- 1. Mechanical relay
  - 2. Electronic relay
  - 3. Magnetic relay
  - 4. Electromagnetic relay

Question ID : 54335319511

Option 1 ID : 54335378301

Option 2 ID : 54335378303

Option 3 ID : 54335378302

Option 4 ID : 54335378300

Status : Not Answered

Chosen Option : --

Q.5  
2 De-scaling of condenser is the process of \_\_\_\_\_ cleaning.

- Ans
- 1. Oil
  - 2. Chemical
  - 3. Water
  - 4. OFDN

Question ID : 54335319540

Option 1 ID : 54335378419

Option 2 ID : 54335378417

Option 3 ID : 54335378416

Option 4 ID : 54335378418

Status : Answered

Chosen Option : 1

Q.5  
3 The location of the expansion device in a refrigeration cycle is between the \_\_\_\_\_ and \_\_\_\_\_.

- Ans
- 1. Receiver ; Evaporator
  - 2. Condenser ; Receiver
  - 3. Evaporator ; Compressor
  - 4. Compressor ; Condenser

Question ID : 54335319502  
Option 1 ID : 54335378266  
Option 2 ID : 54335378264  
Option 3 ID : 54335378265  
Option 4 ID : 54335378267  
Status : Answered  
Chosen Option : 2

Q.5  
4 Which procedure of charging is recommended for better performance of an air conditioning system?

- Ans
- 1. Feeling method
  - 2. Pressure method
  - 3. Charge still method
  - 4. Weighing method

Question ID : 54335319532  
Option 1 ID : 54335378384  
Option 2 ID : 54335378387  
Option 3 ID : 54335378386  
Option 4 ID : 54335378385  
Status : Not Answered  
Chosen Option : --

Q.5  
5 Thermal resistance of an ideal conductor would be \_\_\_\_\_.

- Ans
- 1. one
  - 2. hundred
  - 3. zero
  - 4. ten

Question ID : 54335319527  
Option 1 ID : 54335378365  
Option 2 ID : 54335378367  
Option 3 ID : 54335378364  
Option 4 ID : 54335378366  
Status : Answered  
Chosen Option : 1

Q.5  
6 Due to the absorption of heat by evaporator, the refrigerant converts into \_\_\_\_\_.

- Ans
- 1. saturated vapour
  - 2. liquid
  - 3. sub cooled liquid
  - 4. saturated liquid

Question ID : 54335319523  
Option 1 ID : 54335378351  
Option 2 ID : 54335378348  
Option 3 ID : 54335378349  
Option 4 ID : 54335378350  
Status : Answered  
Chosen Option : 1

Q.5  
7 Which is NOT the type of leak test for an air conditioner?

- Ans
- 1. Dye testing for refrigerant leak

- 2. Nitrogen leak detector test and bubble test
- 3. Magnetic leak detector test
- 4. Electronic leak detector test

Question ID : 54335319538  
Option 1 ID : 54335378410  
Option 2 ID : 54335378409  
Option 3 ID : 54335378411  
Option 4 ID : 54335378408  
Status : Not Answered  
Chosen Option : --

Q.5  
8 Which type of compressor is used for domestic air conditioner?

- Ans
- 1. Hermetically sealed
  - 2. Belt drive compressor
  - 3. Semi sealed
  - 4. Open type

Question ID : 54335319521  
Option 1 ID : 54335378342  
Option 2 ID : 54335378343  
Option 3 ID : 54335378341  
Option 4 ID : 54335378340  
Status : Answered  
Chosen Option : 1

Q.5  
9 What is the value of one calorie?

- Ans
- 1. 1.32 Joule
  - 2. 4.2 Joule
  - 3. 3.2 Joule
  - 4. 2.34 Joule

Question ID : 54335319525  
Option 1 ID : 54335378356  
Option 2 ID : 54335378359  
Option 3 ID : 54335378358  
Option 4 ID : 54335378357  
Status : Answered  
Chosen Option : 2

Q.6  
0 What is the use of Heat limiter in water dispenser?

- Ans
- 1. To maintain cold water temperature
  - 2. To maintain normal temperature
  - 3. To mix hot and cold water in the vessel
  - 4. To disconnect electric power from heater in case of overheating

Question ID : 54335319542  
Option 1 ID : 54335378425  
Option 2 ID : 54335378424  
Option 3 ID : 54335378426  
Option 4 ID : 54335378427

Status : **Answered**  
Chosen Option : 2

Q.6  
1 Forced air-cooled condenser fins are made up of \_\_\_\_\_.

- Ans
- 1. Steel
  - 2. Zinc
  - 3. Brass
  - 4. Aluminium

Question ID : 54335319522  
Option 1 ID : 54335378344  
Option 2 ID : 54335378347  
Option 3 ID : 54335378345  
Option 4 ID : 54335378346  
Status : **Answered**  
Chosen Option : 1

Q.6  
2 What is the purpose of an idler pulley?

- Ans
- 1. Rotating freely with engine
  - 2. Engaging magnetic clutch
  - 3. Preventing slack in the belt
  - 4. Transmitting power from driver to driven

Question ID : 54335319562  
Option 1 ID : 54335378506  
Option 2 ID : 54335378505  
Option 3 ID : 54335378504  
Option 4 ID : 54335378507  
Status : **Answered**  
Chosen Option : 4

Q.6  
3 In a Hermetic sealed compressor \_\_\_\_\_

- Ans
- 1. Both compressor and motor are outside of a single outer welded steel shell
  - 2. Only compressor is confined in a single outer welded steel shell
  - 3. Both compressor and motor are confined in a single outer welded steel shell
  - 4. Only motor is confined in a single outer welded steel shell

Question ID : 54335319514  
Option 1 ID : 54335378313  
Option 2 ID : 54335378314  
Option 3 ID : 54335378312  
Option 4 ID : 54335378315  
Status : **Answered**  
Chosen Option : 3

Q.6  
4 What is the use of Diamond point chisel?

- Ans
- 1. Chipping on metal surfaces
  - 2. Forming square groove on metal surfaces

3. Forming "V" groove on metal surfaces
4. Forming semi-circle groove on metal surfaces

Question ID : 54335319497  
 Option 1 ID : 54335378247  
 Option 2 ID : 54335378245  
 Option 3 ID : 54335378246  
 Option 4 ID : 54335378244  
 Status : Answered  
 Chosen Option : 1

Q.6  
 5 The inner core of the flame in gas welding has \_\_\_\_\_ temperature

- Ans  1. lowest
2. medium
3. 100° C
4. highest

Question ID : 54335319507  
 Option 1 ID : 54335378285  
 Option 2 ID : 54335378286  
 Option 3 ID : 54335378287  
 Option 4 ID : 54335378284  
 Status : Answered  
 Chosen Option : 4

Q.6  
 6 If the diameter of a wire increase then its resistance \_\_\_\_\_.

- Ans  1. fluctuates
2. increases
3. decreases
4. remains the same

Question ID : 54335319508  
 Option 1 ID : 54335378291  
 Option 2 ID : 54335378288  
 Option 3 ID : 54335378289  
 Option 4 ID : 54335378290  
 Status : Answered  
 Chosen Option : 2

Q.6  
 7 How much swag length is recommended to join copper pipes of the same diameter?

- Ans  1. Diameter + 1 mm
2. Diameter + 3 mm
3. Diameter + 15 mm
4. Diameter + 10 mm

Question ID : 54335319534  
 Option 1 ID : 54335378394  
 Option 2 ID : 54335378392  
 Option 3 ID : 54335378395  
 Option 4 ID : 54335378393  
 Status : Not Answered  
 Chosen Option : --

Q.6 Which is the type of condenser used for  $\leq 3$  Tons cooling capacity of a refrigeration unit?

8

- Ans
- 1. Water and air cooled
  - 2. Water cooled
  - 3. Oil cooled
  - 4. Air cooled

Question ID : 54335319566  
Option 1 ID : 54335378520  
Option 2 ID : 54335378521  
Option 3 ID : 54335378523  
Option 4 ID : 54335378522  
Status : Answered  
Chosen Option : 4

Q.6  
9 What is the full form of SCR?

- Ans
- 1. Serum Controlled Rectifier
  - 2. Self- Controlled Rectifier
  - 3. Satisfied Controlled Rectifier
  - 4. Silicon Controlled Rectifier

Question ID : 54335319512  
Option 1 ID : 54335378304  
Option 2 ID : 54335378306  
Option 3 ID : 54335378305  
Option 4 ID : 54335378307  
Status : Answered  
Chosen Option : 4

Q.7  
0 \_\_\_\_\_ wires have the highest resistance.

- Ans
- 1. Extra large diameter
  - 2. Thick
  - 3. Thin
  - 4. Medium

Question ID : 54335319505  
Option 1 ID : 54335378279  
Option 2 ID : 54335378277  
Option 3 ID : 54335378276  
Option 4 ID : 54335378278  
Status : Answered  
Chosen Option : 3

Q.7  
1 Squirrel cage induction motor has

- Ans
- 1. Very small starting torque
  - 2. Very high starting torque
  - 3. Medium starting torque
  - 4. Zero starting torque

Question ID : 54335319518  
Option 1 ID : 54335378329  
Option 2 ID : 54335378331  
Option 3 ID : 54335378330  
Option 4 ID : 54335378328



Status : **Answered**  
Chosen Option : 2

Q.7  
2 Which is NOT the function of receiver drier in an A/C?

Ans  1. To trap contaminants that may be inside the A/C system.

2. To receive the air and dry the Ice

3.

To absorb moisture that may have gotten inside the A/C system

4.

To act as a temporary storage containers for oil and refrigerant when neither are needed for system operation

Question ID : 54335319535

Option 1 ID : 54335378396

Option 2 ID : 54335378399

Option 3 ID : 54335378397

Option 4 ID : 54335378398

Status : **Answered**

Chosen Option : 3

Q.7  
3 What is the full form of UJT in transistors?

Ans  1. Universal Junction Transistor

2. Uni- Junction Transistor

3. Union Junction Transistor

4. Uniform Junction Transistor

Question ID : 54335319513

Option 1 ID : 54335378308

Option 2 ID : 54335378309

Option 3 ID : 54335378311

Option 4 ID : 54335378310

Status : **Answered**

Chosen Option : 4

Q.7  
4 Where does higher temperature occur in a vapour compression cycle?

Ans  1. Receiver

2. Evaporator

3. Expansion valve

4. Compressor discharge

Question ID : 54335319496

Option 1 ID : 54335378241

Option 2 ID : 54335378242

Option 3 ID : 54335378243

Option 4 ID : 54335378240

Status : **Answered**

Chosen Option : 4

Q.7  
5 What should NOT be done in An air conditioning performance test?

Ans  1. Place a thermometer in the inside air inlet door

2. Open the doors

3. Turn blower to high speed

**X** 4. Set the controls for maximum cooling

Question ID : **54335319556**

Option 1 ID : **54335378481**

Option 2 ID : **54335378483**

Option 3 ID : **54335378480**

Option 4 ID : **54335378482**

Status : **Answered**

Chosen Option : **1**

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