



RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

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

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

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

Section : Part A

Q.1 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.

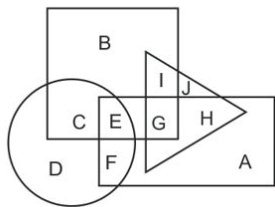
-1.3, -0.8, -0.3, ?, 0.7, 1.2

- 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 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 0 Select the option that is related to the third word on the same basis as the second word is related to the first word.
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 1 Find the work done (in kJ) if a force of 750 N pushes a cart of mass 30 kg by 16 m.

- 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 2 Choose the figure which is different from the rest.

- 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 to the following question.
3 $12 \div 6 - 2 + 10 \times 5 = ?$

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

- 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?
5

- 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.
6

- 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 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°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 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 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. $\frac{1}{15}$
- ☒ 2. $\frac{1}{8}$
- ☒ 3. $\frac{1}{12}$
- ☒ 4. $\frac{1}{6}$

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
5 Classical musician Shivkumar Sharma is associated with which musical instrument?

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

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

- Ans
- ☐ 1. 9
 - ☐ 2. 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

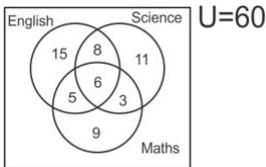
Q.3
8 If half a litre of hot water at 90° C is mixed with three and a half litres of cold water at 10° C, find the final equilibrium temperature (in °C) if no heat is lost.

- Ans
- ☒ 1. 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 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
2 What is the relative density of a solid of mass 50 gm which when fully immersed in water weighs 10 gm?

- Ans
- ☐ 1. 5
 - ☒ 2. 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
3 -100° Celsius = _____ Fahrenheit

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

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

- 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
5 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. 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 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 = 10m/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 : --

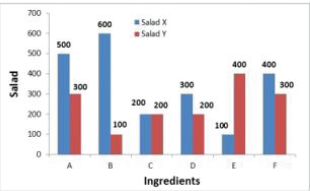
Q.5 Here are some words from an artificial language.
unacri means lighthouse
bancri means lightweight
banetu means overweight
Which word would mean 'overdrive'?

- 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
7 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
9 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
4 Which of the following is the correct relation between resistance 'R', conductivity ' σ ', length 'L' and area of cross section 'A' of a metal wire?

- Ans
- ✗ 1. $RL = A\sigma$
 - ✓ 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
5 Select the option that is related to the third word on the same basis as the second word is related to the first word.
Poem : Stanza :: Book : ?

- Ans
- ✗ 1. 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
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 _____.
8

- 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?
9

- 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 _____.
0

- 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 Jg^{-1}), if it releases 250 joules of heat when it
6 condenses at its boiling point of 196°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
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 : 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
9 Find the potential difference (in V) across a resistance of 2.5 kΩ through which a 2 mA current flows.

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

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

- Ans
- ☒ 1. 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^{-1}
 - ☒ 2. 5 JK^{-1}
 - ☒ 3. $50\text{ Jkg}^{-1}\text{K}^{-1}$
 - ☒ 4. $1.25\text{ Jkg}^{-1}\text{K}^{-1}$

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

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

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

Question ID : 54335319479

Option 1 ID : 54335378174

Option 2 ID : 54335378172

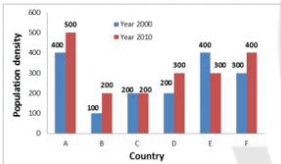
Option 3 ID : 54335378175

Option 4 ID : 54335378173

Status : Answered

Chosen Option : 2

Q.9 8 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
- ✖ 1. 500%
 - ✖ 2. 20%
 - ✔ 3. 400%
 - ✖ 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 9 _____ curves employ at least three points to define a curve. The two endpoints of the curve are called anchor points. The other points, which define the shape of the curve, are called handles, tangent points, or nodes.

- Ans
- ✖ 1. Bicorn
 - ✔ 2. Bezier
 - ✖ 3. Deltoid
 - ✖ 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

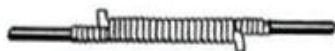
Question ID : 54335319529
Option 1 ID : 54335378373
Option 2 ID : 54335378374
Option 3 ID : 54335378372
Option 4 ID : 54335378375
Status : Not Answered
Chosen Option : --

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°C

✓ 2. -18°C

✗ 3. -12°C

✗ 4. -11°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. $V = \frac{I}{R}$

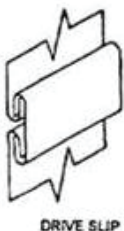
Question ID : 54335319509
Option 1 ID : 54335378292
Option 2 ID : 54335378295
Option 3 ID : 54335378294
Option 4 ID : 54335378293
Status : Answered
Chosen Option : 3

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 ≤ 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

