



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:	12:30 PM - 3:00 PM
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 Select the option that is related to the third word on the same basis as the second word is related to the first word. Pipe:
Cylinder:: Moon : ?

- Ans
- 1. Earth
 - 2. Stars
 - 3. Night
 - 4. Sphere

Question ID : 7079663577
Option 1 ID : 70796614305
Option 2 ID : 70796614308
Option 3 ID : 70796614307
Option 4 ID : 70796614306
Status : Answered
Chosen Option : 4

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

- Ans
- 1. -5/14
 - 2. 5/14
 - 3. 25/8
 - 4. -25/8

Question ID : 7079663567
Option 1 ID : 70796614268
Option 2 ID : 70796614267
Option 3 ID : 70796614266
Option 4 ID : 70796614265
Status : Answered
Chosen Option : 4

Q.3 A boy of 50 kg is riding a scooter of 100 kg mass at a speed of v m/s. Find v (in m/s) if the kinetic energy of the scooter and the boy is 76.8 kJ.

- Ans
- 1. 32
 - 2. 40

- ☒ 3. 80
☒ 4. 64

Question ID : 7079663530
Option 1 ID : 70796614118
Option 2 ID : 70796614119
Option 3 ID : 70796614120
Option 4 ID : 70796614117
Status : Answered
Chosen Option : 4

Q.4 Find the third proportional to 24 and 60.

- Ans ☒ 1. 150
☒ 2. 144
☒ 3. 164
☒ 4. 120

Question ID : 7079663557
Option 1 ID : 70796614226
Option 2 ID : 70796614225
Option 3 ID : 70796614228
Option 4 ID : 70796614227
Status : Answered
Chosen Option : 1

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

- Ans ☒ 1. Mole
☒ 2. Lumen
☒ 3. Volt
☒ 4. Radian

Question ID : 7079663526
Option 1 ID : 70796614104
Option 2 ID : 70796614102
Option 3 ID : 70796614103
Option 4 ID : 70796614101
Status : Answered
Chosen Option : 4

Q.6 If a vendor sells a coconut at ₹32, he incurs a 20% loss. What is the cost price of the coconut?

- Ans ☒ 1. ₹36
☒ 2. ₹48
☒ 3. ₹44
☒ 4. ₹40





Question ID : 7079663565
Option 1 ID : 70796614257
Option 2 ID : 70796614260
Option 3 ID : 70796614259
Option 4 ID : 70796614258
Status : Answered
Chosen Option : 4

Q.7 By cycling 7/9 times his usual speed, Anwar reaches his school 4 minutes late. How many minutes does Anwar take to reach school at his usual cycling speed?

- Ans  1. 18
 2. 20
 3. 14
 4. 16

Question ID : 7079663540
Option 1 ID : 70796614159
Option 2 ID : 70796614160
Option 3 ID : 70796614158
Option 4 ID : 70796614157
Status : Answered
Chosen Option : 3

Q.8 Which of the following classes of chemicals can damage the ozone layer?

- Ans  1. Aromatic compounds
 2. Chlorofluorocarbons
 3. Antimicrobials
 4. Phenols

Question ID : 7079663548
Option 1 ID : 70796614189
Option 2 ID : 70796614192
Option 3 ID : 70796614190
Option 4 ID : 70796614191
Status : Answered
Chosen Option : 2





Q.9 From a 50-m-long steel bar, a workman has to cut off as many 5.25-m-long pieces as possible. What decimal fraction of the whole will be left?

- Ans  1. 0.035
 2. 0.025
 3. 0.055
 4. 0.045

Question ID : 7079663554
Option 1 ID : 70796614216
Option 2 ID : 70796614214
Option 3 ID : 70796614213
Option 4 ID : 70796614215
Status : Answered
Chosen Option : 3

Q.1 Select the set of letters that when sequentially placed in the gaps of the given letter series will complete the series
0 logically.

a _yz_ bx_ zc_ cx_ z

- Ans  1. yxbcz
 2. xybcy
 3. xbycy
 4. xybcz

Question ID : 7079663578
Option 1 ID : 70796614311
Option 2 ID : 70796614309
Option 3 ID : 70796614312
Option 4 ID : 70796614310

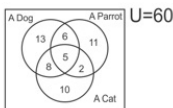
Status : **Answered**
Chosen Option : **3**

Q.1 1 Two resistors of $R\ \Omega$ and $15\ \Omega$ are connected in parallel to get an effective resistance of $12\ \Omega$. Find R .

- Ans ☒ 1. 60
☒ 2. 45
☒ 3. 75
☒ 4. 30

Question ID : 7079663535
Option 1 ID : 70796614139
Option 2 ID : 70796614138
Option 3 ID : 70796614140
Option 4 ID : 70796614137
Status : **Answered**
Chosen Option : **1**

Q.1 2 The given Venn diagram shows the pet(s) that each house in a society has. How many houses have only two pets?



- Ans ☒ 1. 21
☒ 2. 15
☒ 3. 5
☒ 4. 16

Question ID : 7079663587
Option 1 ID : 70796614347
Option 2 ID : 70796614348
Option 3 ID : 70796614345
Option 4 ID : 70796614346
Status : **Answered**
Chosen Option : **4**

Q.1 3 Solve the following.

$$\sqrt{0.2025} + \sqrt{0.12225} = \underline{\hspace{2cm}}$$

- Ans ☒ 1. 0.8
☒ 2. 0.9
☒ 3. 1.2
☒ 4. 0.6

Question ID : 7079663572
Option 1 ID : 70796614285
Option 2 ID : 70796614288
Option 3 ID : 70796614286
Option 4 ID : 70796614287
Status : **Answered**
Chosen Option : **1**

Q.1 4 A uniform meter scale weighs 50g. It is pivoted at the 70cm mark. Where should a 40 g mass be placed so that the scale is in equilibrium?

- Ans ☒ 1. At the 25 cm mark
☒ 2. At the 5 cm mark

- ✓ 3. At the 95 cm mark
✗ 4. At the 45 cm mark

Question ID : 7079663522
Option 1 ID : 70796614087
Option 2 ID : 70796614086
Option 3 ID : 70796614088
Option 4 ID : 70796614085
Status : Answered
Chosen Option : 3

Q.1 5 Pie chart 1 shows the share of the four partners (A, B, C and D) in Company XYZ in the year 2017. In 2018, a fifth partner, E, was added by issuing 5000 shares to E (pie chart 2). The company has issued _____ shares more in 2018 than those in 2017.

- Ans ✓ 1. 25%
✗ 2. 20%
✗ 3. 16.67%
✗ 4. 33.33%

Question ID : 7079663596
Option 1 ID : 70796614381
Option 2 ID : 70796614382
Option 3 ID : 70796614383
Option 4 ID : 70796614384
Status : Not Answered
Chosen Option : --

Q.1 6 If $a^2 + b^2 = 53$ and $ab = 14$, then find the value of $a + b$.

- Ans ✗ 1. 5
✗ 2. 15
✗ 3. 12
✓ 4. 9





Question ID : 7079663568
Option 1 ID : 70796614271
Option 2 ID : 70796614269
Option 3 ID : 70796614272
Option 4 ID : 70796614270
Status : Answered
Chosen Option : 4

Q.1 7 If the median of the numbers 9, 15, 1, 15, 14, 9, 4 and X is 11, find X.

- Ans ✗ 1. 12
✗ 2. 10
✗ 3. 13
✓ 4. 11

Question ID : 7079663571
Option 1 ID : 70796614281
Option 2 ID : 70796614283
Option 3 ID : 70796614284
Option 4 ID : 70796614282
Status : Answered
Chosen Option : 3

Q.1 8 Acceleration due to gravity is highest at _____.

- Ans  1. at an infinite distance from the earth
 2. the center of the earth
 3. the equator
 4. the poles





Question ID : 7079663528
Option 1 ID : 70796614112
Option 2 ID : 70796614111
Option 3 ID : 70796614109
Option 4 ID : 70796614110
Status : Answered
Chosen Option : 4

Q.1 9 Which of the following nations is NOT a permanent member of the United Nations Security Council?

- Ans  1. France
 2. China
 3. United Kingdom
 4. Germany

Question ID : 7079663502
Option 1 ID : 70796614006
Option 2 ID : 70796614008
Option 3 ID : 70796614007
Option 4 ID : 70796614005
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.2 0 Two numbers are 10% and 20% less than a third number. By what percentage should the second number be increased to make it equal to the first number?

- Ans  1. 10%
 2. 7.5%
 3. 12.5%
 4. 8%

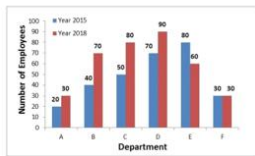
Question ID : 7079663558
Option 1 ID : 70796614229
Option 2 ID : 70796614232
Option 3 ID : 70796614231
Option 4 ID : 70796614230
Status : Answered
Chosen Option : 3

Q.2 1 A truck travels 450 km in two and a half hours. Find its speed in m/s.

- Ans  1. 90
 2. 60
 3. 75
 4. 50

Question ID : 7079663544
Option 1 ID : 70796614175
Option 2 ID : 70796614173
Option 3 ID : 70796614174
Option 4 ID : 70796614176
Status : Answered

Q.2 A company has six departments. The given bar graph shows the number of employees in each department for the years 2015 and 2018. The company added 80 new employees and fired some employees between the years 2015 and 2018. All the employees who were fired were from department C. If the employees of department C had NOT been fired, then the employee strength of department C in 2018 would have been greater by _____.



- Ans ☒ 1. 12.5%
☒ 2. 20%
☒ 3. 17.5%
☒ 4. 10%

Question ID : 7079663595
Option 1 ID : 70796614378
Option 2 ID : 70796614380
Option 3 ID : 70796614379
Option 4 ID : 70796614377
Status : Not Answered
Chosen Option : --

Q.2 The _____ across the ends of a resistor is directly proportional to the current through it, provided its temperature remains the same.

- Ans ☒ 1. charge
☒ 2. resistivity
☒ 3. resistance
☒ 4. potential difference

Question ID : 7079663534
Option 1 ID : 70796614136
Option 2 ID : 70796614134
Option 3 ID : 70796614133
Option 4 ID : 70796614135
Status : Answered
Chosen Option : 4

Q.2 The specific latent heat of fusion of ethyl alcohol is 100 Jg^{-1} . Find the heat absorbed (in J) by 2.25 g of ethyl alcohol when it melts at its melting point of -114°C .

- Ans ☒ 1. 225
☒ 2. 45
☒ 3. 100
☒ 4. 311

Question ID : 7079663513
Option 1 ID : 70796614051
Option 2 ID : 70796614049
Option 3 ID : 70796614052
Option 4 ID : 70796614050
Status : Answered
Chosen Option : 1

Q.2 Classical musician Vilayat Khan is associated with which musical instrument?

- Ans ☒ 1. Santoor

- ☒ 2. Sarod
☒ 3. Flute
☒ 4. Sitar

Question ID : 7079663509
Option 1 ID : 70796614034
Option 2 ID : 70796614033
Option 3 ID : 70796614036
Option 4 ID : 70796614035
Status : Not Answered
Chosen Option : --

Q.2 If A \$ B means A is the sister of B, A # B means A is the husband of B and A * B means A is the daughter of B, then
6 what does P \$ Q * R # S mean?

- Ans ☒ 1. S is the sister-in-law of P.
☒ 2. S is the mother of P.
☒ 3. S is the grandmother of P.
☒ 4. S is the sister of P.

Question ID : 7079663584
Option 1 ID : 70796614334
Option 2 ID : 70796614336
Option 3 ID : 70796614335
Option 4 ID : 70796614333
Status : Answered
Chosen Option : 2

Q.2 If 1,200 J of work is done in pushing a trolley by 20 m, what was the force (in N) employed?
7

- Ans ☒ 1. 120
☒ 2. 30
☒ 3. 60
☒ 4. 90

Question ID : 7079663517
Option 1 ID : 70796614065
Option 2 ID : 70796614068
Option 3 ID : 70796614066
Option 4 ID : 70796614067
Status : Answered
Chosen Option : 3

Q.2 Henry Cavendish discovered _____ in 1766.
8

- Ans ☒ 1. oxygen
☒ 2. helium
☒ 3. hydrogen
☒ 4. chlorine

Question ID : 7079663505
Option 1 ID : 70796614020
Option 2 ID : 70796614019
Option 3 ID : 70796614018
Option 4 ID : 70796614017
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.2 Find the heat capacity of a steel vessel of mass 2.5 kg if its temperature rises by 10 degrees. Specific heat capacity of steel is $500 \text{ Jkg}^{-1}\text{K}^{-1}$.

- Ans
- ☒ 1. $200 \text{ Jkg}^{-1}\text{K}^{-1}$
 - ☒ 2. $1,250 \text{ JK}^{-1}$
 - ☒ 3. 125 JK^{-1}
 - ☒ 4. $20 \text{ Jkg}^{-1}\text{K}^{-1}$

Question ID : 7079663532
Option 1 ID : 70796614126
Option 2 ID : 70796614125
Option 3 ID : 70796614127
Option 4 ID : 70796614128
Status : Answered
Chosen Option : 2

Q.3 A alone can paint a wall in 50 days and B alone can do it in 10 days. If A, B and C together can paint the wall in 6.25 days, then in how many days can C alone paint the wall?

- Ans
- ☒ 1. 40
 - ☒ 2. 15
 - ☒ 3. 20
 - ☒ 4. 25

Question ID : 7079663562
Option 1 ID : 70796614247
Option 2 ID : 70796614246
Option 3 ID : 70796614245
Option 4 ID : 70796614248
Status : Answered
Chosen Option : 4

Q.3 Paracetamol is found in first-aid boxes. When/why should these drugs be taken?

- Ans
- ☒ 1. To bring relief from asthma.
 - ☒ 2. To ease the symptoms of hay fever and other allergies.
 - ☒ 3. To ease indigestion and heartburn.
 - ☒ 4. To ease mild pain and reduce high temperature (fever).

Question ID : 7079663542
Option 1 ID : 70796614166
Option 2 ID : 70796614165
Option 3 ID : 70796614167
Option 4 ID : 70796614168
Status : Answered
Chosen Option : 4

Q.3 In an artificial language, 'terake' means 'motherland', 'lorake' means 'mother tongue' and 'loroli' means 'long tongue'. Which word would mean 'long jump' in that language?

- Ans
- ☒ 1. akezit
 - ☒ 2. nemoli
 - ☒ 3. hudter
 - ☒ 4. dibnol

Question ID : 7079663581
Option 1 ID : 70796614324

Option 2 ID : 70796614321
Option 3 ID : 70796614323
Option 4 ID : 70796614322
Status : Answered
Chosen Option : 2

Q.3
3 Binary number 101110110 is equal to decimal number _____.

- Ans  1. 374
 2. 412
 3. 326
 4. 468

Question ID : 7079663551
Option 1 ID : 70796614203
Option 2 ID : 70796614202
Option 3 ID : 70796614201
Option 4 ID : 70796614204
Status : Answered
Chosen Option : 1





Q.3
4 In this question, two statements are given, followed by two conclusions labelled I and II. You have to consider the statements to be true even if they seem to be at variance with commonly known facts, and decide which of the given conclusions, if any, follow(s) from the given statements.

Statements:

No beakers are vases.
All vases are jugs.

Conclusions:

I: Some jugs are beakers.
II: Some jugs are vases.

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

Question ID : 7079663588
Option 1 ID : 70796614352
Option 2 ID : 70796614351
Option 3 ID : 70796614350
Option 4 ID : 70796614349
Status : Answered
Chosen Option : 3





Q.3
5 Find the value of:
 $16 - (25\% \text{ of } (14 \times 10 \div 35 + 12 \times 10 \div 15))$

- Ans  1. 13
 2. 7
 3. 9
 4. 11

Question ID : 7079663553
Option 1 ID : 70796614212
Option 2 ID : 70796614211
Option 3 ID : 70796614210


Option 4 ID : 70796614209
Status : Answered
Chosen Option : 1

Q.3
6 Which of the following is an example of a second class lever?

- Ans  1. Wheel barrow
 2. Pliers
 3. See-saw
 4. Ice tongs





Question ID : 7079663546
Option 1 ID : 70796614184
Option 2 ID : 70796614181
Option 3 ID : 70796614182
Option 4 ID : 70796614183
Status : Answered
Chosen Option : 1

Q.3
7 Two litres of superheated water at 190°C is mixed with six litres of cold water at 20°C. Find the final equilibrium temperature (in °C) if no heat is lost.

- Ans  1. 55
 2. 47.5
 3. 62.5
 4. 95

Question ID : 7079663541
Option 1 ID : 70796614163
Option 2 ID : 70796614162
Option 3 ID : 70796614161
Option 4 ID : 70796614164
Status : Answered
Chosen Option : 3

Q.3
8 Henry per meter is the unit of _____.

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

Question ID : 7079663527
Option 1 ID : 70796614107
Option 2 ID : 70796614108
Option 3 ID : 70796614106
Option 4 ID : 70796614105
Status : Not Answered
Chosen Option : --

Q.3
9





One statement is given followed by two assumptions labelled I and II. You have to consider the statement to be true, even if it seems to be at variance with commonly known facts, and decide which of the given assumptions is/are implicit in the given statement.

Statement:

‘Height should be between 5 feet 6 inches and 6 feet.’ – One of the conditions for recruiting fighter pilots.

Assumptions:

- I. Fighter pilots should be presentable as they are role models for the young.
- II. Only certain body types can fit in a fighter plane cockpit.

- Ans  1. Only assumption I is implicit.
-  2. Neither assumption I nor II is implicit.
-  3. Both assumptions I and II are implicit.
-  4. Only assumption II is implicit.

Question ID : 7079663594
Option 1 ID : 70796614373
Option 2 ID : 70796614375
Option 3 ID : 70796614376
Option 4 ID : 70796614374
Status : Answered
Chosen Option : 2

Q.4 In a certain gear train, the driver has 24 teeth while the follower has 8 teeth. For every _____ turns of the driver, the follower turns 36 times.

- Ans  1. 9
-  2. 12
-  3. 4
-  4. 10

Question ID : 7079663518
Option 1 ID : 70796614072
Option 2 ID : 70796614070
Option 3 ID : 70796614069
Option 4 ID : 70796614071
Status : Answered
Chosen Option : 2



Q.4 Pipe A can fill a tank in 12 hours. Pipe B can empty it in X hours. If both the pipes are opened together, then the tank will be filled in 30 hours. Find X.

- Ans  1. 15
-  2. 25
-  3. 20
-  4. 24

Question ID : 7079663575
Option 1 ID : 70796614297
Option 2 ID : 70796614298
Option 3 ID : 70796614300
Option 4 ID : 70796614299
Status : Answered
Chosen Option : 3

Q.4 Amit calculated $\frac{2}{5}$ th of a number instead of calculating $\frac{2}{15}$ th. His answer was greater than the correct answer by 336. Find the number.





- Ans  1. 1344
-  2. 1260

-  3. 1008
-  4. 1680

Question ID : 7079663555
Option 1 ID : 70796614220
Option 2 ID : 70796614218
Option 3 ID : 70796614219
Option 4 ID : 70796614217
Status : Answered
Chosen Option : 2

Q.4 The sentences given in this question, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter (the first sentence is not labelled and given for your reference). Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

There were once two brothers who lived on the edge of a forest.
A: One day, the elder brother went into the forest to find some firewood to sell in the market.
B: As he went around chopping the branches of a tree after tree, he came upon a magical tree.
C: The elder brother was very mean to his younger brother and ate up all the food and took all his good clothes.
D: The tree said to him, 'Oh kind sir, please do NOT cut my branches.'

- Ans**  1. CABD
-  2. ACBD
-  3. ACDB
-  4. CADB

Question ID : 7079663598
Option 1 ID : 70796614389
Option 2 ID : 70796614391
Option 3 ID : 70796614392
Option 4 ID : 70796614390
Status : Answered
Chosen Option : 1





Q.4 A statement is given, followed by two conclusions. Decide which of the given conclusions logically follow(s) from the given statement.

Statement:

Emotional Quotient is a good predictor of success in career.



Conclusions:



- I: The top 10 employees in a division will have the top 10 Emotional Quotients.
II: Finding the Emotional Quotient of a candidate will give the hiring company extra useful information.

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

Question ID : 7079663600
Option 1 ID : 70796614397
Option 2 ID : 70796614400
Option 3 ID : 70796614398
Option 4 ID : 70796614399
Status : Answered
Chosen Option : 4

Q.4 C said to D, "You are my sister's husband's mother-in-law." How is D related to C?

- Ans**  1. D is the mother of C.
-  2. D is the mother-in-law of C.

-  3. D is the sister of C.
-  4. D is the daughter of C.

Question ID : 7079663585
Option 1 ID : 70796614337
Option 2 ID : 70796614340
Option 3 ID : 70796614338
Option 4 ID : 70796614339
Status : Answered
Chosen Option : 1

Q.4 _____ is India's sole National Issuing & Guaranteeing Association for ATA Carnets (also known as 'Passport for Goods').

- Ans  1. International Resources for Fairer Trade
-  2. All India Management Association
-  3. Confederation of Indian Industry
-  4. Federation of Indian Chambers of Commerce & Industry





Question ID : 7079663503
Option 1 ID : 70796614010
Option 2 ID : 70796614011
Option 3 ID : 70796614009
Option 4 ID : 70796614012
Status : Not Answered
Chosen Option : --

Q.4 Choose the word that is different from the rest.

- Ans  1. Pond
-  2. Lake
-  3. Pool
-  4. Stream

Question ID : 7079663592
Option 1 ID : 70796614365
Option 2 ID : 70796614366
Option 3 ID : 70796614367
Option 4 ID : 70796614368
Status : Answered
Chosen Option : 3

Q.4 Breathing in about 900 parts of _____ in a million parts of air for a short time causes fatigue, dizziness, and headache.

- Ans  1. chloroform
-  2. pesticides
-  3. arsenic
-  4. asbestos particles

Question ID : 7079663519
Option 1 ID : 70796614074
Option 2 ID : 70796614076
Option 3 ID : 70796614075
Option 4 ID : 70796614073
Status : Not Answered
Chosen Option : --

Q.4 Who was the captain of the IPL team Chennai Super Kings, in 2018?

- Ans
- ☒ 1. Gautam Gambhir
 - ☒ 2. Mahendra Singh Dhoni
 - ☒ 3. Rohit Sharma
 - ☒ 4. Virat Kohli

Question ID : 7079663507
Option 1 ID : 70796614027
Option 2 ID : 70796614026
Option 3 ID : 70796614028
Option 4 ID : 70796614025
Status : Answered
Chosen Option : 2

Q.5 What is the angle between the hour hand and the minute hand of a clock at quarter past three?

- Ans
- ☒ 1. 7.5°
 - ☒ 2. 8.5°
 - ☒ 3. 6.5°
 - ☒ 4. 9.5°

Question ID : 7079663574
Option 1 ID : 70796614295
Option 2 ID : 70796614294
Option 3 ID : 70796614293
Option 4 ID : 70796614296
Status : Answered
Chosen Option : 1

Q.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. Paper:
1 Glue:: Brick : ?

- Ans
- ☒ 1. Mason
 - ☒ 2. Mortar
 - ☒ 3. Wall
 - ☒ 4. Stone

Question ID : 7079663576
Option 1 ID : 70796614304
Option 2 ID : 70796614301
Option 3 ID : 70796614302
Option 4 ID : 70796614303
Status : Answered
Chosen Option : 2

Q.5 Find the mass (in g) of a copper calorimeter if its temperature rises by 45° when it absorbs 3.6 kJ of heat. The specific heat capacity of copper is 0.4 Jg⁻¹K⁻¹.

- Ans
- ☒ 1. 648
 - ☒ 2. 200
 - ☒ 3. 500
 - ☒ 4. 405

Question ID : 7079663533
Option 1 ID : 70796614130
Option 2 ID : 70796614129
Option 3 ID : 70796614132
Option 4 ID : 70796614131

Status : **Answered**
Chosen Option : 2

Q.5
3 A/An _____ is an interface on a computer to which you can connect a device.

- Ans
- ☒ 1. port
 - ☐ 2. array
 - ☐ 3. anime
 - ☐ 4. dongle

Question ID : 7079663550
Option 1 ID : 70796614199
Option 2 ID : 70796614198
Option 3 ID : 70796614197
Option 4 ID : 70796614200
Status : **Answered**
Chosen Option : 1

Q.5
4 Find the missing number in the given series.

-2.7, -2.1, -1.5, -0.9, -0.3, ?

- Ans
- ☒ 1. 0.3
 - ☐ 2. 0.2
 - ☐ 3. 0.5
 - ☐ 4. 0.4

Question ID : 7079663579
Option 1 ID : 70796614316
Option 2 ID : 70796614315
Option 3 ID : 70796614314
Option 4 ID : 70796614313
Status : **Answered**
Chosen Option : 1

Q.5
5 Name the celebrity who has authored 'Mrs. Funnybones'?

- Ans
- ☐ 1. Bipasha Basu
 - ☒ 2. Twinkle Khanna
 - ☐ 3. Shraddha Kapoor
 - ☐ 4. Sonakshi Sinha

Question ID : 7079663506
Option 1 ID : 70796614021
Option 2 ID : 70796614022
Option 3 ID : 70796614023
Option 4 ID : 70796614024
Status : **Answered**
Chosen Option : 2

Q.5
6 Which of the following folk dances is from Himachal Pradesh?

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

Question ID : 7079663510
Option 1 ID : 70796614038
Option 2 ID : 70796614040
Option 3 ID : 70796614037
Option 4 ID : 70796614039
Status : Not Answered
Chosen Option : --

Q.5 In an engineering drawing, which letters written on the dimension indicates that it is extra information and NOT really required?

- Ans
- 1. EXT
 - 2. PER
 - 3. NR
 - 4. REF

Question ID : 7079663523
Option 1 ID : 70796614089
Option 2 ID : 70796614092
Option 3 ID : 70796614091
Option 4 ID : 70796614090
Status : Answered
Chosen Option : 1

Q.5 Two cabs A and B start from town C for town D. If the distance between the two towns is 540 km and the slower taxi travelling at an average speed of 90 km/hr takes an hour more than the faster taxi, then find the speed (in km/hr) of the faster taxi.

- Ans
- 1. 108
 - 2. 126
 - 3. 99
 - 4. 117

Question ID : 7079663531
Option 1 ID : 70796614123
Option 2 ID : 70796614124
Option 3 ID : 70796614121
Option 4 ID : 70796614122
Status : Answered
Chosen Option : 1

Q.5 _____ are a subset of air pollution that refers to the tiny particles suspended everywhere in our atmosphere.

- Ans
- 1. Genomes
 - 2. Aerosols
 - 3. Loam
 - 4. Humus

Question ID : 7079663549
Option 1 ID : 70796614194
Option 2 ID : 70796614193
Option 3 ID : 70796614196
Option 4 ID : 70796614195
Status : Answered
Chosen Option : 4

Q.6
0





In this question, two statements are given, followed by three conclusions labelled I, II and III. You have to consider the statements to be true even if they seem to be at variance with commonly known facts, and decide which of the given conclusions, if any, follow(s) from the given statements.

Statements:

All mansions are palaces.
No castles are palaces.

Conclusions:

I: Some palaces are mansions.
II: Some castles are mansions.
III: No mansions are castles.

- Ans  1. Only conclusion I follows.
-  2. All the conclusions, I, II and III, follow.
-  3. Only conclusion III follows.
-  4. Only conclusion I and III follow.

Question ID : 7079663589
Option 1 ID : 70796614353
Option 2 ID : 70796614356
Option 3 ID : 70796614354
Option 4 ID : 70796614355
Status : Answered
Chosen Option : 4

Q.6 1 A block of metal of mass 500 g has a relative density of 2.5. What will be its apparent mass when it is fully immersed in water?

- Ans  1. 300 g
-  2. 200 g
-  3. 250 g
-  4. 400 g

Question ID : 7079663539
Option 1 ID : 70796614153
Option 2 ID : 70796614154
Option 3 ID : 70796614155
Option 4 ID : 70796614156
Status : Answered
Chosen Option : 1

Q.6 2 If $\sin\theta = 12/13$, then find the value of $2\cot\theta + 13\cos\theta$.

- Ans  1. 35/6
-  2. 15/8
-  3. 25/6
-  4. 5/8

Question ID : 7079663570
Option 1 ID : 70796614279
Option 2 ID : 70796614278
Option 3 ID : 70796614277
Option 4 ID : 70796614280
Status : Answered
Chosen Option : 1

Q.6 3 A car loses 200 kJ of kinetic energy when its speed decreases from 25 m/s to 15 m/s. Find its mass in tonnes.

Ans

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

Question ID : 7079663543
Option 1 ID : 70796614171
Option 2 ID : 70796614169
Option 3 ID : 70796614170
Option 4 ID : 70796614172
Status : Answered
Chosen Option : 4

Q.6 If '+' represents '×', '÷' represents '+', '-' represents '÷' and 'x' represents '-', then find the value of the following expression.

8 + 4 ÷ 15 - 3 × 1

- Ans
- 1. 36
 - 2. 10
 - 3. 17
 - 4. 14

Question ID : 7079663582
Option 1 ID : 70796614328
Option 2 ID : 70796614325
Option 3 ID : 70796614327
Option 4 ID : 70796614326
Status : Answered
Chosen Option : 1

Q.6 Choose the letter cluster that is different from the rest.

- Ans
- 1. MOQ
 - 2. RST
 - 3. EFG
 - 4. KLM

Question ID : 7079663591
Option 1 ID : 70796614364
Option 2 ID : 70796614363
Option 3 ID : 70796614362
Option 4 ID : 70796614361
Status : Answered
Chosen Option : 1

Q.6 Find the mass (in kg) of kerosene filled up to the brim in a tank of dimensions 5 m × 2 m × 1 m. (Density of kerosene is 800 kg/m³)

- Ans
- 1. 12,500
 - 2. 800
 - 3. 8,000
 - 4. 1,250

Question ID : 7079663516
Option 1 ID : 70796614064
Option 2 ID : 70796614061
Option 3 ID : 70796614063
Option 4 ID : 70796614062

Status : **Answered**
Chosen Option : **3**

Q.6 A vendor buys a certain number of bananas at 8 pieces for `5 and sells them at 5 pieces for `8. What will be his
7 percentage profit?

- Ans ☒ 1. 144%
☒ 2. 48%
☒ 3. 156%
☒ 4. 40%

Question ID : **7079663566**
Option 1 ID : **70796614263**
Option 2 ID : **70796614264**
Option 3 ID : **70796614262**
Option 4 ID : **70796614261**
Status : **Answered**
Chosen Option : **3**

Q.6 Which element is mostly provided by grains, nuts and chocolates in our diet?
8

- Ans ☒ 1. Zinc
☒ 2. Copper
☒ 3. Chloride
☒ 4. Iodine

Question ID : **7079663547**
Option 1 ID : **70796614185**
Option 2 ID : **70796614188**
Option 3 ID : **70796614187**
Option 4 ID : **70796614186**
Status : **Marked For Review**
Chosen Option : **2**

Q.6 The area of A0 size paper is _____.
9

- Ans ☒ 1. 10,000 cm²
☒ 2. 100 cm²
☒ 3. 1,000 cm²
☒ 4. 1 cm²

Question ID : **7079663512**
Option 1 ID : **70796614045**
Option 2 ID : **70796614046**
Option 3 ID : **70796614048**
Option 4 ID : **70796614047**
Status : **Answered**
Chosen Option : **1**

Q.7 The weights of three boxes are 3 kg, 8 kg and 12 kg. Which of the following CANNOT be the total weight, in kg, of any
0 combination of these boxes?

- Ans ☒ 1. 20
☒ 2. 15
☒ 3. 23
☒ 4. 21

Question ID : 7079663599
Option 1 ID : 70796614394
Option 2 ID : 70796614393
Option 3 ID : 70796614396
Option 4 ID : 70796614395
Status : Answered
Chosen Option : 4

Q.7 Find the mechanical advantage of a pulley system if it has an efficiency of 60%. The load lifts by 3 m when the rope is
1 pulled by 12 m.

- Ans ☒ 1. 4.8
☒ 2. 3.6
☒ 3. 1.2
☒ 4. 2.4

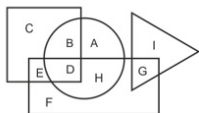
Question ID : 7079663538
Option 1 ID : 70796614151
Option 2 ID : 70796614149
Option 3 ID : 70796614150
Option 4 ID : 70796614152
Status : Answered
Chosen Option : 4

Q.7 What is the area (in cm^2) of a regular hexagon of side 10 cm?
2

- Ans ☒ 1. $75\sqrt{3}$
☒ 2. $150\sqrt{3}$
☒ 3. $450\sqrt{3}$
☒ 4. $300\sqrt{3}$

Question ID : 7079663559
Option 1 ID : 70796614233
Option 2 ID : 70796614234
Option 3 ID : 70796614236
Option 4 ID : 70796614235
Status : Answered
Chosen Option : 1

Q.7 In the following figure, the triangle represents bakers, the square represents teachers, the circle represents Americans
3 and the rectangle represents mothers. Which letter or set of letters represents the mothers who are neither Americans nor bakers?



- Ans ☒ 1. I
☒ 2. A
☒ 3. C
☒ 4. EF

Question ID : 7079663586
Option 1 ID : 70796614342
Option 2 ID : 70796614343
Option 3 ID : 70796614341
Option 4 ID : 70796614344
Status : Answered
Chosen Option : 4

Q.7 Find the density (in kg/m^3) of a piece of wood of dimensions $6\text{ cm} \times 8\text{ cm} \times 5\text{ cm}$, and weight 1.92 N . (Use $g=10\text{m/s}^2$)

- Ans
- ☒ 1. 300
 - ☒ 2. 3,000
 - ☒ 3. 800
 - ☒ 4. 8,000

Question ID : 7079663529
Option 1 ID : 70796614115
Option 2 ID : 70796614114
Option 3 ID : 70796614116
Option 4 ID : 70796614113
Status : Answered
Chosen Option : 3

Q.7 Find the least common multiple of 56 and 50.

- Ans
- ☒ 1. 800
 - ☒ 2. 700
 - ☒ 3. 1500
 - ☒ 4. 1400

Question ID : 7079663556
Option 1 ID : 70796614222
Option 2 ID : 70796614221
Option 3 ID : 70796614224
Option 4 ID : 70796614223
Status : Answered
Chosen Option : 2

Q.7 The total surface area of a cuboid is 236 cm^2 . Its length is 8 cm and height is 6 cm . Find its breadth (in cm).

- Ans
- ☒ 1. 5
 - ☒ 2. 7
 - ☒ 3. 4
 - ☒ 4. 9

Question ID : 7079663560
Option 1 ID : 70796614240
Option 2 ID : 70796614237
Option 3 ID : 70796614239
Option 4 ID : 70796614238
Status : Answered
Chosen Option : 1

Q.7 Which of the following gives the correct relation between power 'P', resistance 'R' and charge 'Q' flowing through a wire in 't' seconds?

- Ans
- ☒ 1. $PR = QIt$
 - ☒ 2. $Pt = IRQ$
 - ☒ 3. $PQ = IRt$
 - ☒ 4. $PI = QRt$

Question ID : 7079663514
Option 1 ID : 70796614056
Option 2 ID : 70796614054
Option 3 ID : 70796614053

Option 4 ID : 70796614055
Status : Answered
Chosen Option : 2

Q.7 The ratio of the present ages of Leela and her mother is 3:8. The mother was 25 years old when Leela was born. Find
8 the mother's present age (in years).

- Ans
- 1. 52
 - 2. 56
 - 3. 48
 - 4. 40

Question ID : 7079663573
Option 1 ID : 70796614292
Option 2 ID : 70796614291
Option 3 ID : 70796614289
Option 4 ID : 70796614290
Status : Answered
Chosen Option : 4

Q.7 The hotel Taj Lake Palace, built in the middle of Lake Pichola, is in which city?
9

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

Question ID : 7079663508
Option 1 ID : 70796614031
Option 2 ID : 70796614030
Option 3 ID : 70796614029
Option 4 ID : 70796614032
Status : Not Answered
Chosen Option : --

Q.8 L is thrice as good a workman as M, and together, they finish a task in 12 days. In how many days will L alone finish
0 the same task?

- Ans
- 1. 40
 - 2. 48
 - 3. 32
 - 4. 16

Question ID : 7079663561
Option 1 ID : 70796614244
Option 2 ID : 70796614241
Option 3 ID : 70796614242
Option 4 ID : 70796614243
Status : Answered
Chosen Option : 4

Q.8 Part of a sentence has been divided into three segments, which are jumbled up and given along with the unjumbled part.
1 Rearrange the parts of the sentence in correct order.

I'd just remembered that our
X: every once in a while, so our changing
Y: rooms were movable, on wheels
Z: owner liked to change the decor of the boutique

- Ans
- 1. YXZ
 - 2. XZY

- ☒ 3. ZXY
☐ 4. ZYX

Question ID : 7079663597
Option 1 ID : 70796614387
Option 2 ID : 70796614386
Option 3 ID : 70796614388
Option 4 ID : 70796614385
Status : Answered
Chosen Option : 3

Q.8 A pilgrim starts from her house to visit various places. She walks 13 km towards the east, then turns towards the north
2 and walks 11 km, then turns towards the west and walks 7 km, then turns towards the south and walks 6 km and finally turns to her right and walks 6 km. Where is she now with respect to her starting position?

- Ans ☐ 1. 5 km south
☐ 2. 16 km south
☒ 3. 5 km north
☐ 4. 16 km north

Question ID : 7079663593
Option 1 ID : 70796614369
Option 2 ID : 70796614371
Option 3 ID : 70796614372
Option 4 ID : 70796614370
Status : Answered
Chosen Option : 3

Q.8 If $14 \# 2 = 80$, $10 \# 4 = 70$ and $20 \# 6 = 130$, then find the value of $8 \# 12$.
3

- Ans ☐ 1. 2
☐ 2. 4
☒ 3. 100
☐ 4. 10

Question ID : 7079663583
Option 1 ID : 70796614330
Option 2 ID : 70796614329
Option 3 ID : 70796614332
Option 4 ID : 70796614331
Status : Answered
Chosen Option : 3

Q.8 _____ ° Celsius = 167 Fahrenheit
4

- Ans ☐ 1. 348
☒ 2. 75
☐ 3. 198
☐ 4. 103

Question ID : 7079663545
Option 1 ID : 70796614179
Option 2 ID : 70796614177
Option 3 ID : 70796614180
Option 4 ID : 70796614178
Status : Answered
Chosen Option : 2

Q.8 If 90 J of work is done in moving a charge of 2,000 coulombs across V volts, find V.

5

- Ans ☒ 1. 0.2
☒ 2. 0.045
☒ 3. 2,250
☒ 4. 180

Question ID : 7079663536
Option 1 ID : 70796614144
Option 2 ID : 70796614141
Option 3 ID : 70796614143
Option 4 ID : 70796614142
Status : Answered
Chosen Option : 2

Q.8 Acceleration due to gravity on Jupiter is two and a half times that on earth. How much would a 250 kg satellite weigh
6 (in N) on Jupiter? (acceleration due to gravity on earth = 10m/s^2)

- Ans ☒ 1. 10
☒ 2. 625
☒ 3. 6,250
☒ 4. 100

Question ID : 7079663521
Option 1 ID : 70796614084
Option 2 ID : 70796614082
Option 3 ID : 70796614083
Option 4 ID : 70796614081
Status : Answered
Chosen Option : 4

Q.8 The sum of binary numbers 1100100 and 1101110 is _____.
7

- Ans ☒ 1. 11010010
☒ 2. 11001000
☒ 3. 11100110
☒ 4. 11110010

Question ID : 7079663552
Option 1 ID : 70796614207
Option 2 ID : 70796614206
Option 3 ID : 70796614205
Option 4 ID : 70796614208
Status : Answered
Chosen Option : 1

Q.8 Find the efficiency of a pump (rated 400 W) that can lift 500 kg of water by 30 m in 10 minutes. (Use $g = 10\text{m/s}^2$)
8

- Ans ☒ 1. 92.00%
☒ 2. 77.50%
☒ 3. 84.00%
☒ 4. 62.50%

Question ID : 7079663511
Option 1 ID : 70796614044
Option 2 ID : 70796614042
Option 3 ID : 70796614041
Option 4 ID : 70796614043
Status : Answered

Q.8 In a certain code, EXACT is written as 91685 and MILK is written as 7243. Using the same code, MELT will be written as _____.

- Ans
- 1. 9285
 - 2. 5384
 - 3. 8794
 - 4. 7945

Question ID : 7079663580
Option 1 ID : 70796614319
Option 2 ID : 70796614317
Option 3 ID : 70796614318
Option 4 ID : 70796614320
Status : Answered
Chosen Option : 4

Q.9 Choose the figure that is different from the rest.

Ans

1.

K	W	Q
R	O	P
I	M	X

2.

P	O	R
M	W	K
H	X	Q

3.

H	X	P
O	R	K
W	Q	M

4.

Q	M	R
X	H	O
K	W	P

Question ID : 7079663590
Option 1 ID : 70796614358
Option 2 ID : 70796614360
Option 3 ID : 70796614359
Option 4 ID : 70796614357

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

Q.9 Find the resistance of the wire (in $k\Omega$) through which a 5 mA current flows when 500 V of potential difference is applied across it.

- Ans** ☒ 1. 2,500
☒ 2. 1,00,000
☒ 3. 2.5
☒ 4. 100

Question ID : **7079663537**
Option 1 ID : **70796614148**
Option 2 ID : **70796614145**
Option 3 ID : **70796614147**
Option 4 ID : **70796614146**
Status : **Answered**
Chosen Option : **4**

Q.9 A _____ diagram is a schematic drawing that shows the relationships in a system, using simple shapes for the entities.

- Ans** ☒ 1. Venn
☒ 2. circuit
☒ 3. block
☒ 4. scatter

Question ID : **7079663524**
Option 1 ID : **70796614094**
Option 2 ID : **70796614096**
Option 3 ID : **70796614095**
Option 4 ID : **70796614093**
Status : **Answered**
Chosen Option : **2**

Q.9 If the compound interest received on a certain amount in the first year is ₹1,440, what will be the compound interest for the second year on the same principal at a 10% rate of interest?

- Ans** ☒ 1. ₹1,512
☒ 2. ₹1,540
☒ 3. ₹1,554
☒ 4. ₹1,584

Question ID : **7079663564**
Option 1 ID : **70796614256**
Option 2 ID : **70796614255**
Option 3 ID : **70796614253**
Option 4 ID : **70796614254**
Status : **Answered**
Chosen Option : **1**

Q.9 Find the slope of the line joining the points (3, -4) and (5, 2).

- Ans** ☒ 1. $\frac{1}{2}$
☒ 2. 2
☒ 3. $\frac{1}{3}$
☒ 4. 3

Question ID : 7079663569
Option 1 ID : 70796614276
Option 2 ID : 70796614273
Option 3 ID : 70796614274
Option 4 ID : 70796614275
Status : Answered
Chosen Option : 4

Q.9 5 Moore's Law is a rule of thumb stated by Intel co-founder Gordon Moore that the number of transistors on a chip doubles every _____ months.

- Ans
- ☒ 1. 24
 - ☒ 2. 30
 - ☒ 3. 18
 - ☒ 4. 12

Question ID : 7079663520
Option 1 ID : 70796614079
Option 2 ID : 70796614080
Option 3 ID : 70796614077
Option 4 ID : 70796614078
Status : Not Answered
Chosen Option : --

Q.9 6 The Directive Principles of State Policy in India's Constitution are borrowed from the constitution of _____.

- Ans
- ☒ 1. Germany
 - ☒ 2. Britain
 - ☒ 3. Canada
 - ☒ 4. Ireland

Question ID : 7079663501
Option 1 ID : 70796614003
Option 2 ID : 70796614001
Option 3 ID : 70796614002
Option 4 ID : 70796614004
Status : Not Answered
Chosen Option : --

Q.9 7 A _____ projection is an oblique projection in which the depth of the object is shown in full size.

- Ans
- ☒ 1. perspective
 - ☒ 2. fisheye
 - ☒ 3. cavalier
 - ☒ 4. orthographic

Question ID : 7079663525
Option 1 ID : 70796614097
Option 2 ID : 70796614100
Option 3 ID : 70796614099
Option 4 ID : 70796614098
Status : Not Answered
Chosen Option : --

Q.9 8 The notation 2xØ6 means _____.

- Ans
- ☒ 1. 2 circles of diameter 6 units
 - ☒ 2. Scale the circle of diameter 6 units by a factor of 2

- ☒ 3. 2 circles of radius 6 units
- ☒ 4. Scale the circle of radius 6 units by a factor of 2

Question ID : 7079663515
Option 1 ID : 70796614058
Option 2 ID : 70796614059
Option 3 ID : 70796614057
Option 4 ID : 70796614060
Status : Answered
Chosen Option : 2

Q.9 A train running at a speed of 64 km/h takes 50 min to travel a certain distance. By how much should it increase its speed
9 (in km/h) to travel the same distance in 40 min?

- Ans ☒ 1. 80
- ☒ 2. 25
- ☒ 3. 16
- ☒ 4. 10

Question ID : 7079663563
Option 1 ID : 70796614250
Option 2 ID : 70796614252
Option 3 ID : 70796614249
Option 4 ID : 70796614251
Status : Answered
Chosen Option : 3

Q.1 Which Dadasaheb Phalke Award recipient produced and directed India's first colour film, 'Sairandhri'?
00

- Ans ☒ 1. V Shanta ram
- ☒ 2. Sivaji Ganesan
- ☒ 3. Birendranath Sirdar
- ☒ 4. LV Prasad

Question ID : 7079663504
Option 1 ID : 70796614013
Option 2 ID : 70796614016
Option 3 ID : 70796614015
Option 4 ID : 70796614014
Status : Not Answered
Chosen Option : --

Section : Refrigeration and Air Conditioning Mechanic

Q.1 Which one of the following is related with the swage of a copper tube?

- Ans ☒ 1. Gap between copper tube
- ☒ 2. Stud and flaring nut
- ☒ 3. Flux
- ☒ 4. Filler rod

Question ID : 7079663639
Option 1 ID : 70796614553
Option 2 ID : 70796614556
Option 3 ID : 70796614555
Option 4 ID : 70796614554
Status : Not Answered

Chosen Option : --

Q.2 What is the reason for condensed water of cassette air conditioner getting accumulated in the evaporator?

- Ans
- ☒ 1. Pump not working
 - ☒ 2. Slope not proper
 - ☒ 3. Humidity more than normal
 - ☒ 4. Drain hole block

Question ID : 7079663664
Option 1 ID : 70796614654
Option 2 ID : 70796614655
Option 3 ID : 70796614656
Option 4 ID : 70796614653
Status : Answered
Chosen Option : 3

Q.3 The capacity of visible cooler is expressed in

- Ans
- ☒ 1. k.cal/TR
 - ☒ 2. tons of refrigeration
 - ☒ 3. litres
 - ☒ 4. cubic feet

Question ID : 7079663608
Option 1 ID : 70796614429
Option 2 ID : 70796614432
Option 3 ID : 70796614431
Option 4 ID : 70796614430
Status : Answered
Chosen Option : 2

Q.4 Which is the secondary refrigerant in an ice plant

- Ans
- ☒ 1. Air
 - ☒ 2. Mercury
 - ☒ 3. Freon-22
 - ☒ 4. Brine solution

Question ID : 7079663617
Option 1 ID : 70796614466
Option 2 ID : 70796614465
Option 3 ID : 70796614468
Option 4 ID : 70796614467
Status : Answered
Chosen Option : 4

Q.5 Specific heat capacity of a substance =

- Ans
- ☒ 1. Mass of the substance \times heat capacity
 - ☒ 2. Mass of the substance $+$ heat capacity
 - ☒ 3. Mass of the substance $-$ heat capacity
 - ☒ 4. Heat capacity / mass of the substance

Question ID : 7079663630
Option 1 ID : 70796614519

Option 2 ID : 70796614517
Option 3 ID : 70796614518
Option 4 ID : 70796614520
Status : Answered
Chosen Option : 4

Q.6 If the freezer box temperature is -23°C , what will be the temperature in Fahrenheit?

- Ans
- ☒ 1. -7.4°F
 - ☒ 2. -9.4°F
 - ☒ 3. -12.4°F
 - ☒ 4. -16.4°F

Question ID : 7079663631
Option 1 ID : 70796614524
Option 2 ID : 70796614521
Option 3 ID : 70796614522
Option 4 ID : 70796614523
Status : Answered
Chosen Option : 2

Q.7 In which region does a UJT operate after reaching peak point?

- Ans
- ☒ 1. Positive resistance
 - ☒ 2. Negative resistance
 - ☒ 3. Saturation
 - ☒ 4. Cut-off

Question ID : 7079663621
Option 1 ID : 70796614481
Option 2 ID : 70796614484
Option 3 ID : 70796614483
Option 4 ID : 70796614482
Status : Answered
Chosen Option : 4

Q.8 Which of the following will happen if suction pressure is reduced in refrigeration cycle?

- Ans
- ☒ 1. Evaporation temperature will decrease
 - ☒ 2. Compressor capacity is increased as vapour is lighter
 - ☒ 3. Power consumption is reduced per ton of refrigeration
 - ☒ 4. Evaporation Temperature will increase

Question ID : 7079663602
Option 1 ID : 70796614408
Option 2 ID : 70796614407
Option 3 ID : 70796614406
Option 4 ID : 70796614405
Status : Answered
Chosen Option : 4

Q.9 Reversed cornot cycle is used in _____ refrigerator

- Ans
- ☒ 1. Electrolux
 - ☒ 2. Vapour compressed
 - ☒ 3. Lithium Bromide

☒ 4. Vapour absorption

Question ID : 7079663628

Option 1 ID : 70796614510

Option 2 ID : 70796614509

Option 3 ID : 70796614511

Option 4 ID : 70796614512

Status : Answered

Chosen Option : 2

Q.1
0 Magnetic relay coil is connected in series with compressor's _____.

Ans ☒ 1. body

☒ 2. running winding

☒ 3. starting winding

☒ 4. common winding

Question ID : 7079663656

Option 1 ID : 70796614621

Option 2 ID : 70796614624

Option 3 ID : 70796614623

Option 4 ID : 70796614622

Status : Answered

Chosen Option : 3

Q.1
1 Which protective device disconnects the compressor sensing pressure?

Ans ☒ 1. Selector switch

☒ 2. Pressure switch

☒ 3. Thermo volume

☒ 4. Thermo amplifier

Question ID : 7079663667

Option 1 ID : 70796614668

Option 2 ID : 70796614667

Option 3 ID : 70796614665

Option 4 ID : 70796614666

Status : Answered

Chosen Option : 1

Q.1
2 Which of the following is a commonly used refrigerant in commercial ice plant?

Ans ☒ 1. Ammonia

☒ 2. Freon 12

☒ 3. Air

☒ 4. CO₂

Question ID : 7079663637

Option 1 ID : 70796614546

Option 2 ID : 70796614548

Option 3 ID : 70796614547

Option 4 ID : 70796614545

Status : Answered

Chosen Option : 1

Q.1
3 The main process characterising a desert cooler is.

- Ans ☒ 1. Adiabatic Saturation
☒ 2. Cooling and Dehumidification
☒ 3. Smart Cooling
☒ 4. Dehumidification

Question ID : 7079663603
Option 1 ID : 70796614409
Option 2 ID : 70796614412
Option 3 ID : 70796614410
Option 4 ID : 70796614411
Status : Answered
Chosen Option : 2

Q.1 4 When retrofitting an R-12 car air conditioner with an R-134, the charge amount will be _____ of R-12

- Ans ☒ 1. 50 %
☒ 2. 90 %
☒ 3. 60 %
☒ 4. 70 %

Question ID : 7079663673
Option 1 ID : 70796614691
Option 2 ID : 70796614690
Option 3 ID : 70796614689
Option 4 ID : 70796614692
Status : Not Answered
Chosen Option : --

Q.1 5 Humidification is the process of addition of moisture in air at

- Ans ☒ 1. constant wet bulb temperature
☒ 2. constant latent heat
☒ 3. constant dry bulb temperature
☒ 4. Constant dew point temperature

Question ID : 7079663619
Option 1 ID : 70796614474
Option 2 ID : 70796614476
Option 3 ID : 70796614473
Option 4 ID : 70796614475
Status : Answered
Chosen Option : 3

Q.1 6 Which type of joint is shown in the given figure?



- Ans ☒ 1. Straight joint
☒ 2. Western joint
☒ 3. T-joint
☒ 4. Married joint

Question ID : 7079663612
Option 1 ID : 70796614448

Option 2 ID : 70796614446
Option 3 ID : 70796614447
Option 4 ID : 70796614445
Status : Answered
Chosen Option : 4

Q.1
7 What do you mean by ‘condensing temperature’ in the context of refrigeration?

- Ans
- ☒ 1. Temperature of freezing zone
 - ☒ 2. Temperature of cooling medium
 - ☒ 3. Temperature at which refrigerant gas becomes liquid
 - ☒ 4. Temperature of evaporator

Question ID : 7079663626
Option 1 ID : 70796614504
Option 2 ID : 70796614503
Option 3 ID : 70796614502
Option 4 ID : 70796614501
Status : Answered
Chosen Option : 3

Q.1
8 Which pulley of a car A/C compressor always rotates with the engine, either when the air conditioner is on or off?

- Ans
- ☒ 1. Rotary pulley
 - ☒ 2. Driver pulley
 - ☒ 3. Jockey pulley
 - ☒ 4. Idler pulley

Question ID : 7079663666
Option 1 ID : 70796614661
Option 2 ID : 70796614664
Option 3 ID : 70796614663
Option 4 ID : 70796614662
Status : Answered
Chosen Option : 4

Q.1
9 Low pressure liquid refrigerant from the expansion valve enters into the evaporator and changes into: _____

- Ans
- ☒ 1. low pressure vapour refrigerant
 - ☒ 2. low pressure liquid and vapour refrigerant
 - ☒ 3. high pressure liquid refrigerant
 - ☒ 4. medium pressure liquid refrigerant

Question ID : 7079663627
Option 1 ID : 70796614507
Option 2 ID : 70796614508
Option 3 ID : 70796614506
Option 4 ID : 70796614505
Status : Answered
Chosen Option : 1

Q.2
0 Which of the following is a single edge cutting tool used for chipping metal?

- Ans
- ☒ 1. Scrapper
 - ☒ 2. Cold flat chisel

- ☒ 3. Hot chisel
- ☒ 4. Drill bit

Question ID : 7079663675
Option 1 ID : 70796614697
Option 2 ID : 70796614699
Option 3 ID : 70796614698
Option 4 ID : 70796614700
Status : Answered
Chosen Option : 3

Q.2
1 Which tool is used to remove a high spot from a plain metal surface?

- Ans ☒ 1. Chisel
- ☒ 2. Hacksaw
- ☒ 3. File
- ☒ 4. Scraper

Question ID : 7079663605
Option 1 ID : 70796614419
Option 2 ID : 70796614420
Option 3 ID : 70796614418
Option 4 ID : 70796614417
Status : Answered
Chosen Option : 4

Q.2
2 Oil separator is fitted between.

- Ans ☒ 1. On the suction line
- ☒ 2. at the receiver outlet
- ☒ 3. compressor and condenser
- ☒ 4. Condenser and evaporator

Question ID : 7079663640
Option 1 ID : 70796614560
Option 2 ID : 70796614559
Option 3 ID : 70796614557
Option 4 ID : 70796614558
Status : Answered
Chosen Option : 4

Q.2
3 Which of the following is an important factor for comfort of the occupancies in an air-conditioned environment?

- Ans ☒ 1. Refrigerant charging
- ☒ 2. Cleaning of the indoor A/C unit
- ☒ 3. Cleaning of the outdoor A/C unit
- ☒ 4. Proper air movement

Question ID : 7079663665
Option 1 ID : 70796614660
Option 2 ID : 70796614658
Option 3 ID : 70796614657
Option 4 ID : 70796614659
Status : Answered
Chosen Option : 1

Q.2 Sub cooling is process of cooling the refrigerant in vapor compression system _____.
4

- Ans
- ☐ 1. After compression
 - ☒ 2. Before refrigerant control
 - ☐ 3. After refrigerant control
 - ☐ 4. Before compression

Question ID : 7079663654
Option 1 ID : 70796614613
Option 2 ID : 70796614615
Option 3 ID : 70796614616
Option 4 ID : 70796614614
Status : Answered
Chosen Option : 4

Q.2 At the time of retrofitting an R-12 refrigerator with HC blend, how much refrigerant will be charged?
5

- Ans
- ☒ 1. 40 % of R-12
 - ☐ 2. 70 % of R-12
 - ☐ 3. 60 % of R-12
 - ☐ 4. 90 % of R-12

Question ID : 7079663651
Option 1 ID : 70796614602
Option 2 ID : 70796614603
Option 3 ID : 70796614601
Option 4 ID : 70796614604
Status : Not Answered
Chosen Option : --

Q.2 What will be the result if the gap in between the male and female tube is more than suggested?
6

- Ans
- ☐ 1. Joint will be strong
 - ☐ 2. Refrigerant flow will be smooth
 - ☒ 3. Filler metal may block the tube
 - ☐ 4. Joint will be weaker

Question ID : 7079663636
Option 1 ID : 70796614541
Option 2 ID : 70796614544
Option 3 ID : 70796614542
Option 4 ID : 70796614543
Status : Answered
Chosen Option : 4

Q.2 When excessive refrigerant is in the cycle of a car air conditioner, it results in _____.
7

- Ans
- ☒ 1. LOW PRESS. 0.8 kg/cm² HIGH PRESS. 8-9 kg/cm²
 - ☐ 2. LOW PRESS. SIDE 1.9 kg/cm² HIGH PRESS. SIDE 15 kg/cm²
 - ☐ 3. LOW PRESS. 3.5 kg/cm² HIGH PRESS. 25 kg/cm²
 - ☐ 4. LOW PRESS. SIDE 3.5 kg/cm² HIGH PRESS. SIDE 25 kg/cm²

Question ID : 7079663671
Option 1 ID : 70796614683
Option 2 ID : 70796614681
Option 3 ID : 70796614684
Option 4 ID : 70796614682
Status : Answered
Chosen Option : 4

Q.2
8 When a filament lamp draws higher voltages, resistance of the lamp will _____.

- Ans
- ☒ 1. remain constant
 - ☒ 2. increase
 - ☒ 3. fluctuate
 - ☒ 4. decrease

Question ID : 7079663613
Option 1 ID : 70796614452
Option 2 ID : 70796614449
Option 3 ID : 70796614450
Option 4 ID : 70796614451
Status : Answered
Chosen Option : 1

Q.2
9 In the context of refrigeration, which instrument is used for checking the vacuum, charging status and pressure, among other things?

- Ans
- ☒ 1. Low pressure gauge
 - ☒ 2. High pressure gauge
 - ☒ 3. Gauge manifold fitted with gauges
 - ☒ 4. Compound gauge

Question ID : 7079663658
Option 1 ID : 70796614632
Option 2 ID : 70796614630
Option 3 ID : 70796614629
Option 4 ID : 70796614631
Status : Answered
Chosen Option : 4

Q.3
0 In frost-free refrigerators, frosting is done by _____.

- Ans
- ☒ 1. De-emerging unit
 - ☒ 2. Fuse
 - ☒ 3. Bi-metal
 - ☒ 4. Heater

Question ID : 7079663633
Option 1 ID : 70796614532
Option 2 ID : 70796614530
Option 3 ID : 70796614529
Option 4 ID : 70796614531
Status : Answered
Chosen Option : 3

Q.3
1 If HFC and lubricant are intimately mixed with moisture inside the refrigeration cycle _____.

- Ans
- ☒ 1. the property of the lubricant will change

- ☒ 2. ice crystals will form
- ☐ 3. pressure will become low
- ☐ 4. sledge will be formed

Question ID : 7079663655
Option 1 ID : 70796614620
Option 2 ID : 70796614618
Option 3 ID : 70796614617
Option 4 ID : 70796614619
Status : Answered
Chosen Option : 4

Q.3
2 What combination and proportion of gases will be used to set a neutral flame in gas welding?

- Ans
- ☐ 1. Less oxygen than acetylene
 - ☐ 2. No acetylene, only oxygen
 - ☐ 3. More oxygen than acetylene
 - ☒ 4. Oxygen and acetylene in equal proportion

Question ID : 7079663624
Option 1 ID : 70796614494
Option 2 ID : 70796614496
Option 3 ID : 70796614493
Option 4 ID : 70796614495
Status : Answered
Chosen Option : 4

Q.3
3 The cleaning process of a refrigeration cycle involves cleaning of _____.

- Ans
- ☐ 1. refrigerant
 - ☒ 2. deposited solid and oil
 - ☐ 3. non-condensable gases
 - ☐ 4. sump oil

Question ID : 7079663634
Option 1 ID : 70796614533
Option 2 ID : 70796614536
Option 3 ID : 70796614535
Option 4 ID : 70796614534
Status : Answered
Chosen Option : 2

Q.3
4 Auto defrost is operated by _____.

- Ans
- ☐ 1. Thermostat
 - ☐ 2. Heating element
 - ☒ 3. Evaporator fan
 - ☐ 4. Timer watch

Question ID : 7079663614
Option 1 ID : 70796614454
Option 2 ID : 70796614453
Option 3 ID : 70796614456
Option 4 ID : 70796614455

Q.3
5 Before retrofit, a refrigerator with HC is carefully assessed to check whether it _____

- Ans
- ☒ 1. needs to meet better performance or not
 - ☒ 2. is safe for HC blend conversion or not
 - ☒ 3. is safe for HFC conversion or not
 - ☒ 4. is safe for lubricant or not

Question ID : **7079663648**
Option 1 ID : **70796614592**
Option 2 ID : **70796614590**
Option 3 ID : **70796614589**
Option 4 ID : **70796614591**
Status : **Answered**
Chosen Option : **2**

Q.3
6 In window type air conditioner when temperature is enriched in the room, which of the following components disconnects the compressor from the power source?

- Ans
- ☒ 1. Thermostat
 - ☒ 2. OLP
 - ☒ 3. Relay
 - ☒ 4. Selector switch

Question ID : **7079663657**
Option 1 ID : **70796614627**
Option 2 ID : **70796614628**
Option 3 ID : **70796614625**
Option 4 ID : **70796614626**
Status : **Answered**
Chosen Option : **3**

Q.3
7 In an IC, a Si O₂ layer acts as _____.

- Ans
- ☒ 1. a resistive conductor
 - ☒ 2. a resistor
 - ☒ 3. an insulating layer
 - ☒ 4. mechanical output

Question ID : **7079663622**
Option 1 ID : **70796614488**
Option 2 ID : **70796614486**
Option 3 ID : **70796614485**
Option 4 ID : **70796614487**
Status : **Answered**
Chosen Option : **3**

Q.3
8 How do you remove non-condensable gas and moisture from an air conditioning system?

- Ans
- ☒ 1. By evacuation using system compressor
 - ☒ 2. By deep evacuation using two-stage rotary vent pump
 - ☒ 3. By evacuation using the old compressor
 - ☒ 4. By evacuation using single-stage vacuum pump

Question ID : 7079663660
Option 1 ID : 70796614638
Option 2 ID : 70796614637
Option 3 ID : 70796614640
Option 4 ID : 70796614639
Status : Answered
Chosen Option : 2

Q.3
9 Which gauge is used for checking the pressure in an Air Conditioning system?

- Ans
- ☒ 1. Bourdon type Pressure gauge
 - ☒ 2. Lactometer
 - ☒ 3. Manometer
 - ☒ 4. Bourdon type compound gauge

Question ID : 7079663620
Option 1 ID : 70796614477
Option 2 ID : 70796614480
Option 3 ID : 70796614479
Option 4 ID : 70796614478
Status : Answered
Chosen Option : 4

Q.4
0 In frost-free refrigerators, when does cooling NOT spread inside the cabinet?

- Ans
- ☒ 1. When the thermostat is not working
 - ☒ 2. When the evaporator fan is not working
 - ☒ 3. When the heater is not working
 - ☒ 4. When the bi-metal is not working

Question ID : 7079663641
Option 1 ID : 70796614561
Option 2 ID : 70796614563
Option 3 ID : 70796614564
Option 4 ID : 70796614562
Status : Answered
Chosen Option : 2

Q.4
1 At the time of installation more than 150 mm gap should be maintained in between ____.

- Ans
- ☒ 1. ceiling and IDU
 - ☒ 2. roof top and ODU
 - ☒ 3. evaporator and blower
 - ☒ 4. condenser and fan blade

Question ID : 7079663650
Option 1 ID : 70796614599
Option 2 ID : 70796614598
Option 3 ID : 70796614597
Option 4 ID : 70796614600
Status : Not Answered
Chosen Option : --

Q.4
2 The chemical formula of R-134a is ____.

- Ans
- ☒ 1. $C_2H_2F_3$

- ☐ 2. C_2HF_4
- ☒ 3. $C_2H_2F_4$
- ☐ 4. $C_3H_2F_4$

Question ID : 7079663647
Option 1 ID : 70796614588
Option 2 ID : 70796614586
Option 3 ID : 70796614587
Option 4 ID : 70796614585
Status : Answered
Chosen Option : 3

Q.4
3 What is the state of refrigerant after it comes out of dry type evaporator?

- Ans ☐ 1. wet state
- ☐ 2. Super cooled
- ☐ 3. saturated state
- ☒ 4. Super-heated

Question ID : 7079663625
Option 1 ID : 70796614498
Option 2 ID : 70796614499
Option 3 ID : 70796614500
Option 4 ID : 70796614497
Status : Answered
Chosen Option : 4

Q.4
4 Generally, which type of condenser is needed for chemical de-scaling?

- Ans ☐ 1. Forced air-cooled condenser
- ☒ 2. Shell and tube bunk condenser
- ☐ 3. Air cooled condenser
- ☐ 4. Plate type condenser

Question ID : 7079663644
Option 1 ID : 70796614575
Option 2 ID : 70796614574
Option 3 ID : 70796614573
Option 4 ID : 70796614576
Status : Not Answered
Chosen Option : --

Q.4
5 The evaporative tube of water cooler is fitted _____.

- Ans ☐ 1. inside the storage tank
- ☐ 2. away from the storage tank
- ☐ 3. below the condenser
- ☒ 4. outside the storage tank

Question ID : 7079663646
Option 1 ID : 70796614583
Option 2 ID : 70796614582
Option 3 ID : 70796614581
Option 4 ID : 70796614584
Status : Answered
Chosen Option : 1

Q.4
6 What is this welding symbol called?



- Ans
- ☒ 1. Fillet
 - ☒ 2. Bevel
 - ☒ 3. Flare bevel
 - ☒ 4. Plug

Question ID : 7079663623
Option 1 ID : 70796614489
Option 2 ID : 70796614491
Option 3 ID : 70796614490
Option 4 ID : 70796614492
Status : Answered
Chosen Option : 3

Q.4
7 The process of heat rejection by the refrigerant is achieved during which of the following refrigeration cycles?

- Ans
- ☒ 1. Condenser
 - ☒ 2. Evaporator
 - ☒ 3. Compressor
 - ☒ 4. Expansion

Question ID : 7079663659
Option 1 ID : 70796614634
Option 2 ID : 70796614635
Option 3 ID : 70796614633
Option 4 ID : 70796614636
Status : Answered
Chosen Option : 1

Q.4
8 What is the reason for formation of solid ice on the evaporator of a frost-free refrigerator?

- Ans
- ☒ 1. Auto defrosting system failure
 - ☒ 2. Less refrigerant
 - ☒ 3. Leakage in door gasket
 - ☒ 4. Nonfunctioning relay

Question ID : 7079663642
Option 1 ID : 70796614565
Option 2 ID : 70796614566
Option 3 ID : 70796614567
Option 4 ID : 70796614568
Status : Answered
Chosen Option : 2

Q.4
9 What is the name of the hand tool that has small sharp teeth in rows and is used for sharpening or shaping material?

- Ans
- ☒ 1. Hacksaw
 - ☒ 2. Tap
 - ☒ 3. Chisel

✔ 4. File

Question ID : 7079663601
Option 1 ID : 70796614403
Option 2 ID : 70796614404
Option 3 ID : 70796614402
Option 4 ID : 70796614401
Status : Answered
Chosen Option : 1

Q.5 How should the gap between the compressor housing and shaft seal refrigerant escaping route be sealed?
0

- Ans
- ✔ 1. With M-seal
 - ✗ 2. With a thin layer of compressor self-lubricating oil
 - ✗ 3. With metal seal
 - ✗ 4. With a cold adhesive

Question ID : 7079663670
Option 1 ID : 70796614677
Option 2 ID : 70796614679
Option 3 ID : 70796614680
Option 4 ID : 70796614678
Status : Not Answered
Chosen Option : --

Q.5 Which condenser needs De-scaling?
1

- Ans
- ✔ 1. Water cooled condenser
 - ✗ 2. Air cooled condenser
 - ✗ 3. Plate type condenser
 - ✗ 4. Forced air condenser

Question ID : 7079663615
Option 1 ID : 70796614457
Option 2 ID : 70796614458
Option 3 ID : 70796614460
Option 4 ID : 70796614459
Status : Answered
Chosen Option : 4

Q.5 If the end of a copper tube is NOT straightened, then _____.
2

- Ans
- ✗ 1. refrigerant temperature may go down
 - ✗ 2. pressure will be increased
 - ✗ 3. Length will be short
 - ✔ 4. Swaging and flaring will be defective

Question ID : 7079663638
Option 1 ID : 70796614549
Option 2 ID : 70796614550
Option 3 ID : 70796614552
Option 4 ID : 70796614551
Status : Answered
Chosen Option : 4

Q.5 In which of the following processes heat transfer does NOT take place?
3

- Ans ☒ 1. Insulation
☒ 2. Conduction
☒ 3. Convection
☒ 4. Radiation

Question ID : 7079663632
Option 1 ID : 70796614526
Option 2 ID : 70796614525
Option 3 ID : 70796614528
Option 4 ID : 70796614527
Status : Answered
Chosen Option : 1

Q.5
4 When refrigerant passes through the evaporating zone, heat is _____.

- Ans ☒ 1. absorbed
☒ 2. rejected
☒ 3. added
☒ 4. neither absorbed nor added

Question ID : 7079663674
Option 1 ID : 70796614696
Option 2 ID : 70796614695
Option 3 ID : 70796614694
Option 4 ID : 70796614693
Status : Answered
Chosen Option : 1

Q.5
5 Pyrometer is an instrument used to measure _____.

- Ans ☒ 1. Relative Humidity
☒ 2. High Temperature
☒ 3. Density
☒ 4. High Pressure

Question ID : 7079663672
Option 1 ID : 70796614687
Option 2 ID : 70796614686
Option 3 ID : 70796614688
Option 4 ID : 70796614685
Status : Answered
Chosen Option : 2

Q.5
6 In which of the following states will an R-22 refrigerant charge in a split air conditioning unit?

- Ans ☒ 1. Liquid state
☒ 2. Saturated liquid state
☒ 3. Vapour state
☒ 4. Sub-cooled state

Question ID : 7079663662
Option 1 ID : 70796614646
Option 2 ID : 70796614648
Option 3 ID : 70796614645
Option 4 ID : 70796614647

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

Q.5
7 Which of the following components is used to liquidate refrigerant in the deep freezer?

- Ans ☒ 1. Condenser
☒ 2. Filter
☒ 3. Evaporator
☒ 4. Capillary

Question ID : 7079663645
Option 1 ID : 70796614578
Option 2 ID : 70796614577
Option 3 ID : 70796614579
Option 4 ID : 70796614580
Status : **Answered**
Chosen Option : 1

Q.5
8 Why deep vacuuming is needed in an AC?

- Ans ☒ 1. To clean oil
☒ 2. To remove rust or corrosion
☒ 3. To remove moisture and non-condensable gases
☒ 4. To clean refrigerant

Question ID : 7079663635
Option 1 ID : 70796614538
Option 2 ID : 70796614539
Option 3 ID : 70796614540
Option 4 ID : 70796614537
Status : **Answered**
Chosen Option : 3

Q.5
9 Which is the secondary refrigerant in an window air conditioner

- Ans ☒ 1. Ammonia
☒ 2. Air
☒ 3. Water
☒ 4. Brine solution

Question ID : 7079663618
Option 1 ID : 70796614472
Option 2 ID : 70796614470
Option 3 ID : 70796614469
Option 4 ID : 70796614471
Status : **Answered**
Chosen Option : 4

Q.6
0 In a riveted joint, a cover plate is placed to cover two lower plates. This type of joint is known as _____.

- Ans ☒ 1. Butt joint
☒ 2. Edge joint
☒ 3. Corner joint
☒ 4. Lap joint

Question ID : 7079663607
Option 1 ID : 70796614426
Option 2 ID : 70796614425
Option 3 ID : 70796614428
Option 4 ID : 70796614427
Status : Answered
Chosen Option : 4

Q.6
1 What is the Ammonia refrigerant boiling temperature

- Ans
- ☒ 1. -30 °C
 - ☒ 2. -40 °C
 - ☒ 3. -33 °C
 - ☒ 4. -15 °C

Question ID : 7079663629
Option 1 ID : 70796614513
Option 2 ID : 70796614515
Option 3 ID : 70796614514
Option 4 ID : 70796614516
Status : Answered
Chosen Option : 3

Q.6
2 When the bi-metal of a frost-free refrigerator is opened, _____ will connect.

- Ans
- ☒ 1. heater
 - ☒ 2. compressor
 - ☒ 3. door switch
 - ☒ 4. relay

Question ID : 7079663643
Option 1 ID : 70796614572
Option 2 ID : 70796614571
Option 3 ID : 70796614569
Option 4 ID : 70796614570
Status : Answered
Chosen Option : 4

Q.6
3 Which device of a car air conditioner increases and decreases fan speed?

- Ans
- ☒ 1. Thermo volume switch
 - ☒ 2. Thermo amplifier
 - ☒ 3. Selector switch
 - ☒ 4. Pressure switch

Question ID : 7079663668
Option 1 ID : 70796614672
Option 2 ID : 70796614670
Option 3 ID : 70796614669
Option 4 ID : 70796614671
Status : Answered
Chosen Option : 2

Q.6
4 Bent snips are used for _____.

- Ans
- ☒ 1. making holes on the sheet
 - ☒ 2. cutting the sheet along curved lines

- ☒ 3. bending the sheet
- ☒ 4. removing burrs from the corner

Question ID : 7079663609
Option 1 ID : 70796614433
Option 2 ID : 70796614436
Option 3 ID : 70796614434
Option 4 ID : 70796614435
Status : Not Answered
Chosen Option : --

Q.6
5 One ton of refrigeration is equivalent to melting of 1000 kg of ice in.

- Ans ☒ 1. 24 hours
- ☒ 2. 1 min
 - ☒ 3. 12 hours
 - ☒ 4. 1 hour

Question ID : 7079663606
Option 1 ID : 70796614423
Option 2 ID : 70796614422
Option 3 ID : 70796614424
Option 4 ID : 70796614421
Status : Answered
Chosen Option : 1

Q.6
6 To start a single-phase induction motor, which type of starting capacitors are used.

- Ans ☒ 1. Ceramic capacitor
- ☒ 2. Electrolytic capacitor
 - ☒ 3. Paper capacitor
 - ☒ 4. Polyester capacitor

Question ID : 7079663616
Option 1 ID : 70796614462
Option 2 ID : 70796614464
Option 3 ID : 70796614463
Option 4 ID : 70796614461
Status : Answered
Chosen Option : 2

Q.6
7 At the time of retrofitting, which electrical component should be replaced with a sealed one?

- Ans ☒ 1. Retrofit with HC or their blend
- ☒ 2. Retrofit with HFC blend
 - ☒ 3. Retrofit with HFC only
 - ☒ 4. Retrofit with R-22

Question ID : 7079663649
Option 1 ID : 70796614593
Option 2 ID : 70796614595
Option 3 ID : 70796614594
Option 4 ID : 70796614596
Status : Answered
Chosen Option : 2

Q.6
8 Which tool is used for laying out a large circle on a sheet?

- Ans ☒ 1. Trammel
☒ 2. Jenny caliper
☒ 3. Divider
☒ 4. Scriber

Question ID : 7079663610
Option 1 ID : 70796614437
Option 2 ID : 70796614438
Option 3 ID : 70796614440
Option 4 ID : 70796614439

Status : Answered
Chosen Option : 4

Q.6
9 How to identify the presence of small leakage in refrigeration cycle?

- Ans ☒ 1. Hearing hissing sound
☒ 2. By vacuum holding
☒ 3. Using refrigerant
☒ 4. Using oxygen

Question ID : 7079663661
Option 1 ID : 70796614641
Option 2 ID : 70796614644
Option 3 ID : 70796614643
Option 4 ID : 70796614642

Status : Answered
Chosen Option : 2

Q.7
0 Why is it necessary to maintain a gap between wall and the ODU at the time of installation?

- Ans ☒ 1. For easy servicing
☒ 2. For proper air circulation
☒ 3. To prevent dust accumulation
☒ 4. To prevent heat radiation

Question ID : 7079663653
Option 1 ID : 70796614609
Option 2 ID : 70796614610
Option 3 ID : 70796614611
Option 4 ID : 70796614612

Status : Answered
Chosen Option : 2

Q.7
1 What will be the status of the refrigerant at the outlet of a dry type evaporator?

- Ans ☒ 1. Wet state
☒ 2. Super-heated state
☒ 3. Saturated state
☒ 4. Sub-cooled state

Question ID : 7079663663
Option 1 ID : 70796614650
Option 2 ID : 70796614651

Option 3 ID : 70796614652
Option 4 ID : 70796614649
Status : Answered
Chosen Option : 3

Q.7
2 Which of the following deals with the cleaning of refrigeration cycle?

- Ans
- ☒ 1. Physical cleaning
 - ☒ 2. Chemical cleaning
 - ☒ 3. Outer cleaning
 - ☒ 4. Mechanical cleaning

Question ID : 7079663604
Option 1 ID : 70796614414
Option 2 ID : 70796614415
Option 3 ID : 70796614416
Option 4 ID : 70796614413
Status : Answered
Chosen Option : 4

Q.7
3 Where is a Britannia Joint used?

- Ans
- ☒ 1. In Underground Wiring
 - ☒ 2. In Overhead Line
 - ☒ 3. In Concealed Wiring
 - ☒ 4. In Conduit Wiring

Question ID : 7079663611
Option 1 ID : 70796614441
Option 2 ID : 70796614443
Option 3 ID : 70796614442
Option 4 ID : 70796614444
Status : Not Answered
Chosen Option : --


Q.7
4 What should be the gap between the rotary pulley and the clutch plate?

- Ans
- ☒ 1. 2.0 mm to 2.5 mm
 - ☒ 2. 0.9 mm to 1.2 mm
 - ☒ 3. 0.3 mm to 0.5 mm
 - ☒ 4. 1.3 mm to 1.5 mm

Question ID : 7079663669
Option 1 ID : 70796614675
Option 2 ID : 70796614674
Option 3 ID : 70796614673
Option 4 ID : 70796614676
Status : Not Answered
Chosen Option : --

Q.7
5 For checking the performance of an AC, one must check _____.

- Ans
- ☒ 1. outer look of the cabinet
 - ☒ 2. inside temperature of cabinet and current drawn
 - ☒ 3. speed of the exhaust fan

 4. for abnormal sound and speed of the exhaust fan

Question ID : 7079663652

Option 1 ID : 70796614607

Option 2 ID : 70796614605

Option 3 ID : 70796614606

Option 4 ID : 70796614608

Status : Answered

Chosen Option : 4