



# RAILWAY RECRUITMENT BOARDS

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

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	23/01/2019
Test Time:	12:30 PM - 3:00 PM
Subject:	Part A and Exam Trade : Refrigeration and Air Conditioning Mechanic

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

### Section : Part A

Q.1 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  $\frac{7}{9}$  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

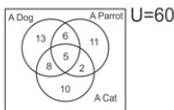
Status : Answered  
Chosen Option : 3

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

- 1  
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 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 Solve the following.

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

- 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 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?

- 4  
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 Which of the following nations is NOT a permanent member of the United Nations Security Council?

9

- 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 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?

0

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

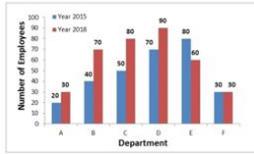
1

- 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

Chosen Option : 4

- 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  $100 \text{ Jg}^{-1}$ . Find the heat absorbed (in J) by 2.25 g of ethyl alcohol when it melts at its melting point of  $-114^\circ\text{C}$ .

- 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.  $125 \text{ JK}^{-1}$
  - 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  $190^{\circ}\text{C}$  is mixed with six litres of cold water at  $20^{\circ}\text{C}$ . Find the final equilibrium temperature (in  $^{\circ}\text{C}$ ) 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.

- 0
- 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.

- 1
- 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.

- 2
- 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  
6 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.  
7

- 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.  
8

- 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.  $7.5^\circ$
  - 2.  $8.5^\circ$
  - 3.  $6.5^\circ$
  - 4.  $9.5^\circ$

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  $45^\circ$  when it absorbs 3.6 kJ of heat. The specific heat capacity of copper is  $0.4 \text{ Jg}^{-1}\text{K}^{-1}$ .

- 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 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 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 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.

3  
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.

$$8 + 4 \div 15 - 3 \times 1$$

- 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/m<sup>3</sup>)

- 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 cm<sup>2</sup>  
 2. 100 cm<sup>2</sup>  
 3. 1,000 cm<sup>2</sup>  
 4. 1 cm<sup>2</sup>

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 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  $\text{cm}^2$ ) of a regular hexagon of side 10 cm?

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

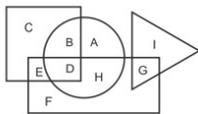
Option 3 ID : 70796614236

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

- 4
- 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.

- 5
- 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  $236\text{ cm}^2$ . Its length is  $8\text{ cm}$  and height is  $6\text{ cm}$ . Find its breadth (in  $\text{cm}$ ).

- 6
- 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?

- 7
- 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  $8 \# 12$ .

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

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 =  $10\text{m/s}^2$ )

- 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

Chosen Option : 4

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  
9 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.

- 1
- 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.

- 2
- 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?

- 3
- 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).

- 4
- Ans  1. 1/2  
 2. 2  
 3. 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 Moore's Law is a rule of thumb stated by Intel co-founder Gordon Moore that the number of transistors on a chip  
5 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 The Directive Principles of State Policy in India's Constitution are borrowed from the constitution of \_\_\_\_\_.  
6

- 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 A \_\_\_\_\_ projection is an oblique projection in which the depth of the object is shown in full size.  
7

- 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 The notation  $2 \times \phi 6$  means \_\_\_\_\_.  
8

- 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  $-23^{\circ}\text{C}$ , what will be the temperature in Fahrenheit?

- Ans
- 1.  $-7.4^{\circ}\text{F}$
  - 2.  $-9.4^{\circ}\text{F}$
  - 3.  $-12.4^{\circ}\text{F}$
  - 4.  $-16.4^{\circ}\text{F}$

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. CO<sub>2</sub>

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 When retrofitting an R-12 car air conditioner with an R-134, the charge amount will be \_\_\_\_\_ of R-12

4

- 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 Humidification is the process of addition of moisture in air at

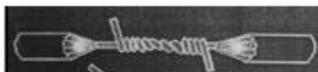
5

- 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 Which type of joint is shown in the given figure?

6



- 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. Scrapper

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  
4 Sub cooling is process of cooling the refrigerant in vapor compression system \_\_\_\_\_.

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

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

- 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  
7 When excessive refrigerant is in the cycle of a car air conditioner, it results in \_\_\_\_\_.

- Ans
- 1. LOW PRESS. 0.8 kg/cm<sup>2</sup> HIGH PRESS. 8-9 kg/cm<sup>2</sup>
  - 2. LOW PRESS. SIDE 1.9 kg/cm<sup>2</sup> HIGH PRESS. SIDE 15 kg/cm<sup>2</sup>
  - 3. LOW PRESS. 3.5 kg/cm<sup>2</sup> HIGH PRESS. 25 kg/cm<sup>2</sup>
  - 4. LOW PRESS. SIDE 3.5 kg/cm<sup>2</sup> HIGH PRESS. SIDE 25 kg/cm<sup>2</sup>

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

Status : Answered  
Chosen Option : 3

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 O<sub>2</sub> 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

**X** 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