



## 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:         | 8:30 AM - 11:00 AM                             |
| Subject:           | Part A and Exam Trade : Mechanic Motor Vehicle |

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

#### Section : Part A

Q.1 If  $a - b = 5$  and  $ab = 14$ , then find  $a^2 + b^2$ ?

- Ans
- ☒ 1. 53
  - ☐ 2. 19
  - ☐ 3. 27
  - ☐ 4. 5

Question ID : 54335319287  
Option 1 ID : 54335377405  
Option 2 ID : 54335377406  
Option 3 ID : 54335377404  
Option 4 ID : 54335377407  
Status : Answered  
Chosen Option : 1

Q.2 If  $\sqrt{X} + 0.24 = \sqrt{0.1296}$ , then find X.

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

Question ID : 54335319291  
Option 1 ID : 54335377422  
Option 2 ID : 54335377421  
Option 3 ID : 54335377420  
Option 4 ID : 54335377423  
Status : Answered  
Chosen Option : 4

Q.3 In a certain code DIRTY is coded as 24759 and FOAM is coded as 1863. Using the same code ARID will be coded as \_\_\_\_\_.

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

Question ID : 54335319299  
Option 1 ID : 54335377455  
Option 2 ID : 54335377453  
Option 3 ID : 54335377454  
Option 4 ID : 54335377452  
Status : Answered  
Chosen Option : 3

Q.4 Select the option that is related to the third word on the same basis as the second word is related to the first word.  
Letter : Envelope :: Dagger : ?

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

Question ID : 54335319295  
Option 1 ID : 54335377439  
Option 2 ID : 54335377437  
Option 3 ID : 54335377436  
Option 4 ID : 54335377438  
Status : Answered  
Chosen Option : 3

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

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

Question ID : 54335319286  
Option 1 ID : 54335377402  
Option 2 ID : 54335377401  
Option 3 ID : 54335377400  
Option 4 ID : 54335377403  
Status : Answered  
Chosen Option : 3

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

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

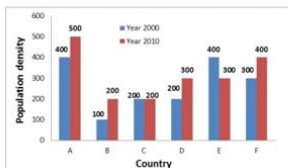
Question ID : 54335319285  
Option 1 ID : 54335377398  
Option 2 ID : 54335377396  
Option 3 ID : 54335377397  
Option 4 ID : 54335377399  
Status : Not Answered  
Chosen Option : --

Q.7 \_\_\_\_\_ curves employ at least three points to define a curve. The two endpoints of the curve are called anchor points. The other points, which define the shape of the curve, are called handles, tangent points, or nodes.

- Ans
- ☒ 1. Bicorn
  - ☒ 2. Deltoid
  - ☒ 3. Bezier
  - ☒ 4. Kappa

Question ID : 54335319243  
Option 1 ID : 54335377228  
Option 2 ID : 54335377229  
Option 3 ID : 54335377231  
Option 4 ID : 54335377230  
Status : Not Answered  
Chosen Option : --

Q.8 The bar graph shows the population density of 6 countries for the years 2000 and 2010. By how much is area of Country B greater than area of Country D, if population of Country B in 2000 was 10 million and population of Country D in 2010 was 6 million. Population density is measured here as number of people per 100 sq. km.



- Ans
- ☒ 1. 400%
  - ☒ 2. 500%
  - ☒ 3. 20%
  - ☒ 4. 25%

Question ID : 54335319314  
Option 1 ID : 54335377512  
Option 2 ID : 54335377513  
Option 3 ID : 54335377514  
Option 4 ID : 54335377515  
Status : Answered  
Chosen Option : 2

Q.9 Choose the one which is different from the rest.

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

Question ID : 54335319311

Option 1 ID : 54335377501

Option 2 ID : 54335377502

Option 3 ID : 54335377503

Option 4 ID : 54335377500

Status : Answered

Chosen Option : 3

Q.1  
0 Find mass of an iron cube of side 2 cm. (Density of iron is  $7.8 \text{ gm/cm}^3$ )

- Ans
- ☒ 1. 15.6 gm
  - ☒ 2. 0.975 gm
  - ☒ 3. 3.9 gm
  - ☒ 4. 62.4 gm

Question ID : 54335319235

Option 1 ID : 54335377199

Option 2 ID : 54335377196

Option 3 ID : 54335377198

Option 4 ID : 54335377197

Status : Answered

Chosen Option : 4

Q.1  
1 What is the area (in  $\text{cm}^2$ ) of an equilateral triangle of side 8 cm?

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

Question ID : 54335319278

Option 1 ID : 54335377371

Option 2 ID : 54335377368

Option 3 ID : 54335377370

Option 4 ID : 54335377369

Status : Answered

Chosen Option : 4

Q.1  
2 In a steady-flowing river, a boat goes a certain distance upstream at a speed of 12 km/h and comes back the same distance at 24 km/h. Find the average speed for the total journey.

- Ans
- ☒ 1. 18 km/h
  - ☒ 2. 20 km/h
  - ☒ 3. 15 km/h
  - ☒ 4. 16 km/h

Question ID : 54335319282

Option 1 ID : 54335377385

Option 2 ID : 54335377386

Option 3 ID : 54335377387

Option 4 ID : 54335377384

Status : Answered

Chosen Option : 4

Q.1 The National Skills Development Corporation (NSDC) is a public-private partnership formed under India's \_\_\_\_\_.  
3

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

Question ID : 54335319222

Option 1 ID : 54335377145

Option 2 ID : 54335377147

Option 3 ID : 54335377146

Option 4 ID : 54335377144

Status : Not Answered

Chosen Option : --

Q.1 Green and yellow vegetables in our diet mostly provide us which element as food?  
4

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

Question ID : 54335319266

Option 1 ID : 54335377321

Option 2 ID : 54335377320

Option 3 ID : 54335377322

Option 4 ID : 54335377323

Status : Not Answered

Chosen Option : --

Q.1 An executive earns a salary of ₹ 12,600 every month, and he spends  $\frac{5}{7}$  of it. If his salary increases by  $\frac{1}{3}$ rd and his spending increases by  $\frac{1}{5}$ th of the present expenditure, what fraction of his salary will he save?  
5

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

Question ID : 54335319274

Option 1 ID : 54335377355

Option 2 ID : 54335377353

Option 3 ID : 54335377354

Option 4 ID : 54335377352

Status : Not Answered

Chosen Option : --

Q.1 Which team won the Indian Premier League (IPL) in 2018?  
6

- Ans
- ☒ 1. Chennai Super Kings

- ☒ 2. Royal Challengers Bangalore
- ☒ 3. Kolkata Knight Riders
- ☒ 4. Hyderabad Sunrisers

Question ID : 54335319226  
Option 1 ID : 54335377162  
Option 2 ID : 54335377160  
Option 3 ID : 54335377161  
Option 4 ID : 54335377163  
Status : Answered  
Chosen Option : 1

Q.1  
7  $(0.1^2 - 0.025^2) \div (0.1 - 0.025) = \underline{\hspace{2cm}}$ .

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

Question ID : 54335319273  
Option 1 ID : 54335377348  
Option 2 ID : 54335377349  
Option 3 ID : 54335377351  
Option 4 ID : 54335377350  
Status : Answered  
Chosen Option : 2

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

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

Question ID : 54335319234  
Option 1 ID : 54335377193  
Option 2 ID : 54335377194  
Option 3 ID : 54335377195  
Option 4 ID : 54335377192  
Status : Answered  
Chosen Option : 2

Q.1  
9 If half a litre of hot water at 90°C is mixed with three and a half litres of cold water at 10°C, find the final equilibrium temperature (in °C) if no heat is lost.

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

Question ID : 54335319260  
Option 1 ID : 54335377299

Option 2 ID : 54335377297  
Option 3 ID : 54335377298  
Option 4 ID : 54335377296  
Status : Not Answered  
Chosen Option : --

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

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

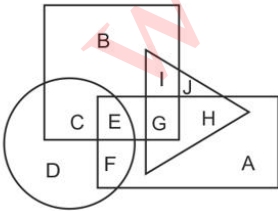
Question ID : 54335319220  
Option 1 ID : 54335377138  
Option 2 ID : 54335377139  
Option 3 ID : 54335377136  
Option 4 ID : 54335377137  
Status : Answered  
Chosen Option : 1

Q.2 Which of the following gases is a highly poisonous, odourless, tasteless and colourless gas?

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

Question ID : 54335319267  
Option 1 ID : 54335377324  
Option 2 ID : 54335377326  
Option 3 ID : 54335377325  
Option 4 ID : 54335377327  
Status : Answered  
Chosen Option : 4

Q.2 In the following figure, the triangle represents actors, the square represents professors, the circle represents Indians and the rectangle represents fathers. Which set of letters represents Indians who are either professors or fathers?

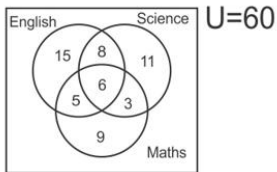


- Ans
- ✗ 1. IGH
  - ✗ 2. E
  - ✓ 3. CEF
  - ✗ 4. G

Question ID : 54335319305  
Option 1 ID : 54335377477

Option 2 ID : 54335377476  
Option 3 ID : 54335377479  
Option 4 ID : 54335377478  
Status : Answered  
Chosen Option : 2

Q.2 The given Venn diagram shows the number of students who have passed in the three exams, viz. English, Science and Maths. How many students failed in all the three exams?



- Ans
- ☒ 1. 12
  - ☒ 2. 3
  - ☒ 3. 9
  - ☒ 4. 6

Question ID : 54335319306  
Option 1 ID : 54335377483  
Option 2 ID : 54335377480  
Option 3 ID : 54335377482  
Option 4 ID : 54335377481  
Status : Answered  
Chosen Option : 2

Q.2 Find the highest common factor of 506 and 782.

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

Question ID : 54335319275  
Option 1 ID : 54335377357  
Option 2 ID : 54335377356  
Option 3 ID : 54335377358  
Option 4 ID : 54335377359  
Status : Answered  
Chosen Option : 1

Q.2 Which of the following is an example of a first class lever?

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

Question ID : 54335319265  
Option 1 ID : 54335377317  
Option 2 ID : 54335377318

Option 3 ID : 54335377316  
Option 4 ID : 54335377319  
Status : Answered  
Chosen Option : 2

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

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

Question ID : 54335319270  
Option 1 ID : 54335377337  
Option 2 ID : 54335377338  
Option 3 ID : 54335377336  
Option 4 ID : 54335377339  
Status : Not Answered  
Chosen Option : --

Q.2  
7 Find the specific latent heat of vaporisation of 1.25 g of nitrogen (in  $\text{Jg}^{-1}$ ), if it releases 250 joules of heat when it condenses at its boiling point of  $196^\circ \text{C}$ .

- Ans
- ☒ 1. 312.5
  - ☒ 2. 500
  - ☒ 3. 200
  - ☒ 4. 469

Question ID : 54335319232  
Option 1 ID : 54335377184  
Option 2 ID : 54335377185  
Option 3 ID : 54335377187  
Option 4 ID : 54335377186  
Status : Not Answered  
Chosen Option : --

Q.2  
8 A alone can do a task in 35 days and B alone in 14 days. If they work on it together for 5 days, then what fraction of the task is left?

- Ans
- ☒ 1. One-thirds
  - ☒ 2. Quarter
  - ☒ 3. Half
  - ☒ 4. Three fourths

Question ID : 54335319280  
Option 1 ID : 54335377378  
Option 2 ID : 54335377376  
Option 3 ID : 54335377379  
Option 4 ID : 54335377377  
Status : Answered  
Chosen Option : 3

Q.2  
9 In a certain gear train, the driver has 18 teeth while the follower has 8 teeth. For every 16 turns of the driver, the follower turns \_\_\_\_\_ times.

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

Question ID : 54335319237  
Option 1 ID : 54335377206  
Option 2 ID : 54335377207  
Option 3 ID : 54335377205  
Option 4 ID : 54335377204  
Status : Answered  
Chosen Option : 4

Q.3 0 If the speed of a car increases from 54 km/hr to 90 km/hr, its kinetic energy would increase in the ratio \_\_\_\_\_.

- Ans
- ☒ 1. 4/9
  - ☒ 2. 3/5
  - ☒ 3. 9/16
  - ☒ 4. 9/25

Question ID : 54335319249  
Option 1 ID : 54335377253  
Option 2 ID : 54335377252  
Option 3 ID : 54335377254  
Option 4 ID : 54335377255  
Status : Answered  
Chosen Option : 1

Q.3 1 What is the angle between the hour hand and the minute hand at half past two?

- Ans
- ☒ 1.  $90^\circ$
  - ☒ 2.  $75^\circ$
  - ☒ 3.  $120^\circ$
  - ☒ 4.  $105^\circ$

Question ID : 54335319293  
Option 1 ID : 54335377430  
Option 2 ID : 54335377428  
Option 3 ID : 54335377431  
Option 4 ID : 54335377429  
Status : Not Answered  
Chosen Option : --

Q.3 2 An object with greater \_\_\_\_\_ has greater inertia.

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

Question ID : 54335319247

Option 1 ID : 54335377244

Option 2 ID : 54335377247

Option 3 ID : 54335377246

Option 4 ID : 54335377245

Status : Answered

Chosen Option : 4

Q.3  
3 Which of the following folk dances is from Assam?

Ans ☒ 1. Bagurumba

☐ 2. Lezim

☐ 3. Giddha

☐ 4. Nati

Question ID : 54335319229

Option 1 ID : 54335377173

Option 2 ID : 54335377175

Option 3 ID : 54335377174

Option 4 ID : 54335377172

Status : Not Answered

Chosen Option : --

Q.3  
4 Which hazardous substance can cause lung cancer?

Ans ☐ 1. Arsenic

☒ 2. Asbestos particles

☐ 3. Herbicides

☐ 4. Benzene vapours

Question ID : 54335319238

Option 1 ID : 54335377210

Option 2 ID : 54335377209

Option 3 ID : 54335377211

Option 4 ID : 54335377208

Status : Answered

Chosen Option : 2

Q.3  
5 A truck of mass 5000 kg accelerates from 25 m/s to 35 m/s. Find the change in its kinetic energy (in MJ).

Ans ☐ 1. 1

☒ 2. 1.5

☐ 3. 2

☐ 4. 2.5

Question ID : 54335319262

Option 1 ID : 54335377304

Option 2 ID : 54335377306

Option 3 ID : 54335377305

Option 4 ID : 54335377307

Status : Answered

Chosen Option : 4

Q.3 Two children, weighing 30 kg and 15 kg, sit on one side of a see-saw at a distance of 1 m and 1.2 m respectively, from the fulcrum. A boy of 'M' kg sits on the other side of the see-saw at a distance of 1.2 m from the fulcrum, and the see-saw is in equilibrium. Find M.

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

Question ID : 54335319241  
Option 1 ID : 54335377221  
Option 2 ID : 54335377220  
Option 3 ID : 54335377222  
Option 4 ID : 54335377223  
Status : Answered  
Chosen Option : 2

Q.3 If the amount received at the end of 1st and 2nd year at compound interest on a certain principal is ₹ 1,350 and ₹ 1,458 respectively, what is the rate of interest?

- Ans
- ☒ 1. 8%
  - ☒ 2. 10%
  - ☒ 3. 12%
  - ☒ 4. 15%

Question ID : 54335319283  
Option 1 ID : 54335377390  
Option 2 ID : 54335377388  
Option 3 ID : 54335377389  
Option 4 ID : 54335377391  
Status : Not Answered  
Chosen Option : --

Q.3 Which of the following recipients of the Dadasaheb Phalke Award received it posthumously?

- Ans
- ☒ 1. Durga Khote
  - ☒ 2. Naushad
  - ☒ 3. Vinod Khanna
  - ☒ 4. Satyajit Ray

Question ID : 54335319223  
Option 1 ID : 54335377149  
Option 2 ID : 54335377148  
Option 3 ID : 54335377150  
Option 4 ID : 54335377151  
Status : Not Answered  
Chosen Option : --

Q.3  
9

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

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

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

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

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

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

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

Question ID : 54335319308

Option 1 ID : 54335377491

Option 2 ID : 54335377490

Option 3 ID : 54335377489

Option 4 ID : 54335377488

Status : Answered

Chosen Option : 4

**Q.4** A postman starts from the post office and cycles 13 km south, then turns west and cycles 10 km, then turns north and cycles 8 km, then turns east and cycles 2 km and then turns to his left and cycles 5 km. Where is he now with reference to his starting position?

- Ans ☒ 1. 8 km west
- ☒ 2. 12 km east
- ☒ 3. 12 km west
- ☒ 4. 8 km east

Question ID : 54335319312

Option 1 ID : 54335377504

Option 2 ID : 54335377507

Option 3 ID : 54335377506

Option 4 ID : 54335377505

Status : Answered

Chosen Option : 1

**Q.4** Two resistors of  $R \Omega$  and  $60 \Omega$  are connected in parallel to get an effective resistance of  $24 \Omega$ . Find  $R$ .

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

Question ID : 54335319254

Option 1 ID : 54335377274

Option 2 ID : 54335377272

Option 3 ID : 54335377275

Option 4 ID : 54335377273

Status : Answered

Chosen Option : 1

Q.4 Find the efficiency of a pulley system which has a mechanical advantage of 2.5 and where the load lifts by 2.5 meters  
2 on pulling the rope by 10 m.

- Ans
- ☒ 1. 25.00%
  - ☒ 2. 100.00%
  - ☒ 3. 40.00%
  - ☒ 4. 62.50%

Question ID : 54335319257  
Option 1 ID : 54335377285  
Option 2 ID : 54335377284  
Option 3 ID : 54335377286  
Option 4 ID : 54335377287  
Status : Answered  
Chosen Option : 4

Q.4 What is the relative density of a solid of mass 50 gm which when fully immersed in water weighs 10 gm?  
3

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

Question ID : 54335319258  
Option 1 ID : 54335377289  
Option 2 ID : 54335377290  
Option 3 ID : 54335377288  
Option 4 ID : 54335377291  
Status : Answered  
Chosen Option : 2

Q.4 Which of the following is the correct relation between resistance 'R', conductivity ' $\sigma$ ', length 'L' and area of cross section  
4 'A' of a metal wire?

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

Question ID : 54335319233  
Option 1 ID : 54335377191  
Option 2 ID : 54335377188  
Option 3 ID : 54335377190  
Option 4 ID : 54335377189  
Status : Answered  
Chosen Option : 3

Q.4 When a number is increased by 36, it becomes 109% of itself. What is the number?  
5

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

Question ID : 54335319277  
Option 1 ID : 54335377364  
Option 2 ID : 54335377365  
Option 3 ID : 54335377366  
Option 4 ID : 54335377367  
Status : Answered  
Chosen Option : 3

Q.4  
6 If  $3A = 6B = 7C$ ; find  $A : B : C$ .

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

Question ID : 54335319276  
Option 1 ID : 54335377363  
Option 2 ID : 54335377361  
Option 3 ID : 54335377362  
Option 4 ID : 54335377360  
Status : Answered  
Chosen Option : 2

Q.4  
7 Find the work done (in kJ) if a force of 750 N pushes a cart of mass 30 kg by 16 m.

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

Question ID : 54335319236  
Option 1 ID : 54335377202  
Option 2 ID : 54335377203  
Option 3 ID : 54335377201  
Option 4 ID : 54335377200  
Status : Not Answered  
Chosen Option : --

Q.4  
8 \_\_\_\_\_ is the physiological adjustment by an organism to environmental change.

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

Question ID : 54335319268  
Option 1 ID : 54335377328  
Option 2 ID : 54335377330  
Option 3 ID : 54335377331  
Option 4 ID : 54335377329  
Status : Not Answered  
Chosen Option : --

Q.4  
9 Find the value of  $5 \sin \theta - 2 \operatorname{Cosec} \theta$ , if  $\theta = 30^\circ$ .

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

Question ID : 54335319289

Option 1 ID : 54335377415

Option 2 ID : 54335377414

Option 3 ID : 54335377413

Option 4 ID : 54335377412

Status : Answered

Chosen Option : 1

Q.5  
0 Two cars, X and Y, travel from A to B at average speeds of 50 km/hr and 75 km/hr respectively. If X takes 2 hours more than Y for the journey, then the distance between A and B in km is \_\_\_\_\_.

- Ans ☒ 1. 400  
☒ 2. 800  
☒ 3. 300  
☒ 4. 600

Question ID : 54335319250

Option 1 ID : 54335377256

Option 2 ID : 54335377259

Option 3 ID : 54335377258

Option 4 ID : 54335377257

Status : Not Answered

Chosen Option : --

Q.5  
1 One statement is given, followed by two assumptions, I & II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given assumptions can definitely be drawn from the given statement.

Statement: "You are appointed as a trainee accountant on temporary basis. Your employment status will automatically be converted to permanent on submission of pass result of M Com final exam." – Extract from an appointment letter.

Assumptions:

I. M Com final exam is a reasonable proof of an accountant's capability.

II. All trainees are appointed on temporary basis.

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

Question ID : 54335319313

Option 1 ID : 54335377508

Option 2 ID : 54335377509

Option 3 ID : 54335377510

Option 4 ID : 54335377511

Status : Answered

Chosen Option : 2

Q.5 The weights of 3 boxes are 4, 7 and 10 kilograms. Which of the following CANNOT be the total weight, in kilograms, of any combination of these boxes?

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

Question ID : 54335319318  
Option 1 ID : 54335377530  
Option 2 ID : 54335377528  
Option 3 ID : 54335377531  
Option 4 ID : 54335377529  
Status : Answered  
Chosen Option : 1

Q.5  $20 - 2[25\% \text{ of } (15 \times 8 \div 6 + 12)] = \underline{\hspace{2cm}}$

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

Question ID : 54335319272  
Option 1 ID : 54335377347  
Option 2 ID : 54335377345  
Option 3 ID : 54335377344  
Option 4 ID : 54335377346  
Status : Answered  
Chosen Option : 1

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

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

Question ID : 54335319228  
Option 1 ID : 54335377170  
Option 2 ID : 54335377168  
Option 3 ID : 54335377171  
Option 4 ID : 54335377169  
Status : Not Answered  
Chosen Option : --

Q.5 If A \$ B means A is the husband of B, A # B means A is the brother of B and A \* B means A is the mother of B, then what does P \$ Q \* R # S mean?

- Ans
- ☒ 1. P is the brother-in-law of S
  - ☒ 2. P is the brother of S
  - ☒ 3. P is the son of S
  - ☒ 4. P is the father of S

Question ID : 54335319303

Option 1 ID : 54335377470

Option 2 ID : 54335377469

Option 3 ID : 54335377468

Option 4 ID : 54335377471

Status : Answered

Chosen Option : 4

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

**Statement 1:** Some wagons are buggies.

**Statement 2:** All wagons are carts.

**Conclusion I:** All buggies are carts.

**Conclusion II:** Some carts are buggies.

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

Question ID : 54335319307

Option 1 ID : 54335377487

Option 2 ID : 54335377486

Option 3 ID : 54335377485

Option 4 ID : 54335377484

Status : Answered

Chosen Option : 3

**Q.5** The author of 'The Monk Who Sold His Ferrari' is \_\_\_\_\_.

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

Question ID : 54335319225

Option 1 ID : 54335377159

Option 2 ID : 54335377158

Option 3 ID : 54335377157

Option 4 ID : 54335377156

Status : Answered

Chosen Option : 2

**Q.5** At present, the ratio between the ages of Anu and Dimpy is 5 : 8. After 2 years, the ratio of their ages will become 2 : 3.

**8** What was Dimpy's age before 2 years?

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

Question ID : 54335319292

Option 1 ID : 54335377425

Option 2 ID : 54335377424

Option 3 ID : 54335377426

Option 4 ID : 54335377427

Status : Answered

Chosen Option : 2

Q.5  
9 210 mm x 297 mm are the dimensions of \_\_\_\_\_ size paper.

Ans ☒ 1. A2

☒ 2. A4

☒ 3. A3

☒ 4. A1

Question ID : 54335319231

Option 1 ID : 54335377181

Option 2 ID : 54335377183

Option 3 ID : 54335377180

Option 4 ID : 54335377182

Status : Answered

Chosen Option : 2

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

Ans ☒ 1. radian

☒ 2. candela

☒ 3. mole

☒ 4. ampere

Question ID : 54335319245

Option 1 ID : 54335377237

Option 2 ID : 54335377236

Option 3 ID : 54335377238

Option 4 ID : 54335377239

Status : Answered

Chosen Option : 3

Q.6  
1 The Umaid Bhawan Palace is in which city?

Ans ☒ 1. Udaipur

☒ 2. Jaipur

☒ 3. Jodhpur

☒ 4. Bikaner

Question ID : 54335319227

Option 1 ID : 54335377164

Option 2 ID : 54335377165

Option 3 ID : 54335377167

Option 4 ID : 54335377166

Status : Not Answered

Chosen Option : --

Q.6 Find the specific heat capacity (in  $\text{Jg}^{-1}\text{K}^{-1}$ ) of a block of metal of mass 500 g, the temperature of which rises by  $80^\circ\text{C}$  when it absorbs 10 kJ of heat?

- Ans
- ☒ 1. 0.4
  - ☒ 2. 0.25
  - ☒ 3. 1.56
  - ☒ 4. 0.16

Question ID : 54335319252  
Option 1 ID : 54335377266  
Option 2 ID : 54335377267  
Option 3 ID : 54335377264  
Option 4 ID : 54335377265  
Status : Not Answered  
Chosen Option : --

Q.6 Find the power (in W) of a pump if it can lift 1 tonne of water by 90 m in 30 minutes. (Assume 100% efficiency and use  $g = 10 \text{ m/s}^2$ )

- Ans
- ☒ 1. 50
  - ☒ 2. 25
  - ☒ 3. 500
  - ☒ 4. 250

Question ID : 54335319230  
Option 1 ID : 54335377176  
Option 2 ID : 54335377178  
Option 3 ID : 54335377179  
Option 4 ID : 54335377177  
Status : Not Answered  
Chosen Option : --

Q.6 In a certain code language, '+' represents '×', '÷' represents '+', '-' represents '÷' and '×' represents '-'. Find out the answer to the following question.  
 $12 \div 6 - 2 + 10 \times 5 = ?$

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

Question ID : 54335319301  
Option 1 ID : 54335377460  
Option 2 ID : 54335377463  
Option 3 ID : 54335377462  
Option 4 ID : 54335377461  
Status : Answered  
Chosen Option : 3

Q.6  
5

The sentences given in the question, which, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter. Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

Outside their window there was a vine with attractive foliage, but it started shedding leaves one by one as summer passed through fall into winter.

A - Came dawn, when Johnsy looked out of the window from her sick bed, lo and behold, the leaf was still there and it continued to be there on the following days.

B - Finally, only one last leaf remained. Johnsy told Sue that when that leaf fell, her life would also go.

C - The girl regained her will to live and was fully recovered in a few days.

D - A concerned elderly artist friend of the girls, hearing this story, climbed outside the window in the bitterly cold night and painted a life-like leaf at the spot from where the last leaf had just fallen.

- Ans ☒ 1. DBAC  
☒ 2. DBCA  
☒ 3. BDAC  
☒ 4. BDCA

Question ID : 54335319317  
Option 1 ID : 54335377526  
Option 2 ID : 54335377527  
Option 3 ID : 54335377524  
Option 4 ID : 54335377525  
Status : Answered  
Chosen Option : 1

Q.6 The sum of two binary numbers 1101111 and 1100101 is \_\_\_\_\_.

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

Question ID : 54335319271  
Option 1 ID : 54335377343  
Option 2 ID : 54335377340  
Option 3 ID : 54335377342  
Option 4 ID : 54335377341  
Status : Not Answered  
Chosen Option : --

Q.6 Find the co-ordinates of the midpoint of the segment joining the points (-4,7) and (2,3).

- Ans ☒ 1. (-1,5)  
☒ 2. (2,4)  
☒ 3. (-2,3)  
☒ 4. (1,-5)

Question ID : 54335319288  
Option 1 ID : 54335377410  
Option 2 ID : 54335377408  
Option 3 ID : 54335377409  
Option 4 ID : 54335377411  
Status : Answered  
Chosen Option : 1

Q.6  
8 A/An \_\_\_\_\_ is software used to maintain the security of a private network.

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

Question ID : 54335319239  
Option 1 ID : 54335377215  
Option 2 ID : 54335377212  
Option 3 ID : 54335377213  
Option 4 ID : 54335377214  
Status : Answered  
Chosen Option : 4

Q.6  
9 A said to B, "You are my husband's daughter-in-law's son." How is B related to A?

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

Question ID : 54335319304  
Option 1 ID : 54335377475  
Option 2 ID : 54335377474  
Option 3 ID : 54335377472  
Option 4 ID : 54335377473  
Status : Answered  
Chosen Option : 3

Q.7  
0 Find the heat capacity of a pan of mass 200 g, if its temperature rises by 8° C on receiving 2000 J of heat.

- Ans
- ☐ 1. 5 JK<sup>-1</sup>
  - ☐ 2. 1.25 Jkg<sup>-1</sup>K<sup>-1</sup>
  - ☒ 3. 250 JK<sup>-1</sup>
  - ☐ 4. 50 Jkg<sup>-1</sup>K<sup>-1</sup>

Question ID : 54335319251  
Option 1 ID : 54335377262  
Option 2 ID : 54335377263  
Option 3 ID : 54335377260  
Option 4 ID : 54335377261  
Status : Not Answered  
Chosen Option : --

Q.7  
1 Antihistamines are found in some first-aid boxes. When should these drugs be taken?

- Ans
- ☐ 1. To ease indigestion and heartburn
  - ☐ 2. To aid in clotting of blood

- ✓ 3. To ease the symptoms of hay fever and other allergies  
✗ 4. To bring relief from asthma

Question ID : 54335319261  
Option 1 ID : 54335377303  
Option 2 ID : 54335377300  
Option 3 ID : 54335377301  
Option 4 ID : 54335377302  
Status : Answered  
Chosen Option : 4

Q.7  
2 The resistance of a metal rod depends on all of the following, EXCEPT \_\_\_\_\_.

- Ans ✓ 1. density  
✗ 2. length  
✗ 3. resistivity  
✗ 4. temperature

Question ID : 54335319253  
Option 1 ID : 54335377270  
Option 2 ID : 54335377269  
Option 3 ID : 54335377271  
Option 4 ID : 54335377268  
Status : Answered  
Chosen Option : 1

Q.7  
3 Rearrange the parts of the sentence in correct order.

In terms of reasons that a customer  
X - possibility is that they've actually finished changing, but  
Y - might not come out of the changing room, one  
Z - the clothes are hopelessly unsuitable

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

Question ID : 54335319316  
Option 1 ID : 54335377521  
Option 2 ID : 54335377520  
Option 3 ID : 54335377523  
Option 4 ID : 54335377522  
Status : Answered  
Chosen Option : 3

Q.7  
4 A bullet travels 90 m in 0.2 seconds. Find its speed in km/hr.

- Ans ✗ 1. 125

- ✓ 2. 1,620
- ✗ 3. 162
- ✗ 4. 1,250

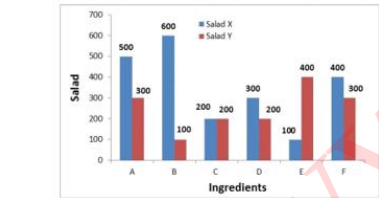
Question ID : 54335319263  
Option 1 ID : 54335377308  
Option 2 ID : 54335377310  
Option 3 ID : 54335377309  
Option 4 ID : 54335377311  
Status : Answered  
Chosen Option : 2

Q.7 In the following question, which set of letters and numbers, when sequentially placed at the gaps in the given series, shall complete it?  
5 1\_2x\_bb\_yy\_cc\_6zzz

- Ans
- ✗ 1. 3a4b5
  - ✗ 2. 3a45c
  - ✗ 3. 3a45b
  - ✓ 4. a345c

Question ID : 54335319297  
Option 1 ID : 54335377446  
Option 2 ID : 54335377444  
Option 3 ID : 54335377445  
Option 4 ID : 54335377447  
Status : Answered  
Chosen Option : 4

Q.7 The bar graph shows all the ingredients (in grams) required to make two types of salads, X and Y. If Ingredient B of Salad X is reduced by 100 grams and Ingredient E of salad Y is increased by 25% then salad Y would be lighter than salad X by \_\_\_\_.



- Ans
- ✗ 1. 37.50%
  - ✓ 2. 20%
  - ✗ 3. 22.50%
  - ✗ 4. 25%

Question ID : 54335319315  
Option 1 ID : 54335377517  
Option 2 ID : 54335377518  
Option 3 ID : 54335377519  
Option 4 ID : 54335377516  
Status : Not Answered  
Chosen Option : --

Q.7 Acceleration due to gravity on moon is 1/6th that on earth. How much would an astronaut weigh on moon if he weighs 90 kgf on earth? (acceleration due to gravity on earth = 10m/s<sup>2</sup>)

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

Question ID : 54335319240  
Option 1 ID : 54335377219  
Option 2 ID : 54335377217  
Option 3 ID : 54335377218  
Option 4 ID : 54335377216  
Status : Answered  
Chosen Option : 2

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

- Ans ☒ 1. tone  
☒ 2. bump  
☒ 3. tint  
☒ 4. shade

Question ID : 54335319244  
Option 1 ID : 54335377235  
Option 2 ID : 54335377234  
Option 3 ID : 54335377233  
Option 4 ID : 54335377232  
Status : Not Answered  
Chosen Option : --

Q.7 Find the length (in cm) of the edge of a cube of a piece of wood which weighs 80 N. (Use  $g = 10 \text{ m/s}^2$ , density of wood =  $1 \text{ g/cm}^3$ )

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

Question ID : 54335319248  
Option 1 ID : 54335377248  
Option 2 ID : 54335377251  
Option 3 ID : 54335377250  
Option 4 ID : 54335377249  
Status : Not Answered  
Chosen Option : --

Q.8 Who invented the blue jeans?

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

Question ID : 54335319224  
Option 1 ID : 54335377154  
Option 2 ID : 54335377153  
Option 3 ID : 54335377155  
Option 4 ID : 54335377152  
Status : Answered  
Chosen Option : 1

Q.8  
1 Choose the letters which are different from the rest.

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

Question ID : 54335319310  
Option 1 ID : 54335377499  
Option 2 ID : 54335377497  
Option 3 ID : 54335377498  
Option 4 ID : 54335377496  
Status : Answered  
Chosen Option : 1

Q.8  
2 Here are some words from an artificial language.

unacri means lighthouse  
bancri means lightweight  
banetu means overweight  
Which word would mean 'overdrive'?

- Ans ☒ 1. adietu  
☒ 2. critch  
☒ 3. simuna  
☒ 4. adiban

Question ID : 54335319300  
Option 1 ID : 54335377458  
Option 2 ID : 54335377459  
Option 3 ID : 54335377456  
Option 4 ID : 54335377457  
Status : Answered  
Chosen Option : 1

Q.8  
3 Choose the figure which is different from the rest.

- Ans ☒ 1. 

|   |   |   |
|---|---|---|
| N | H | Z |
| C | F | D |
| A | E | Q |

  
☒ 2. 

|   |   |   |
|---|---|---|
| A | C | Q |
| Z | D | E |
| N | F | H |

3.

4.

|   |   |   |
|---|---|---|
| Z | C | H |
| F | A | N |
| Q | D | E |

|   |   |   |
|---|---|---|
| H | D | N |
| F | O | Z |
| C | E | A |

Question ID : 54335319309  
Option 1 ID : 54335377495  
Option 2 ID : 54335377492  
Option 3 ID : 54335377493  
Option 4 ID : 54335377494  
Status : Answered  
Chosen Option : 4

Q.8 4 If 36 J of work is done in moving a charge Q across 8 V, find Q (in coulombs).

- Ans
1.

4.5

2.

9

3.

16

4.

288

Question ID : 54335319255  
Option 1 ID : 54335377279  
Option 2 ID : 54335377277  
Option 3 ID : 54335377278  
Option 4 ID : 54335377276  
Status : Answered  
Chosen Option : 4

Q.8 5 Select the option that is related to the third word on the same basis as the second word is related to the first word.  
Poem : Stanza :: Book : ?

- Ans
1.

Language

2.

Story

3.

Page

4.

Printing

Question ID : 54335319296  
Option 1 ID : 54335377443  
Option 2 ID : 54335377440  
Option 3 ID : 54335377442  
Option 4 ID : 54335377441  
Status : Answered  
Chosen Option : 2

Q.8 6 Pipe A can fill a tank in 6 hours. Pipe B can empty it in 15 hours. If both the pipes are opened together, then the tank will be filled in how many hours?

- Ans
1.

9

2.

12

3.

10

☒ 4. 8

Question ID : 54335319294

Option 1 ID : 54335377433

Option 2 ID : 54335377435

Option 3 ID : 54335377434

Option 4 ID : 54335377432

Status : Answered

Chosen Option : 3

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

- Ans ☒ 1. 3  
☒ 2. 5  
☒ 3. 9  
☒ 4. 10

Question ID : 54335319302

Option 1 ID : 54335377467

Option 2 ID : 54335377466

Option 3 ID : 54335377465

Option 4 ID : 54335377464

Status : Not Answered

Chosen Option : --

Q.8  
8 One statement is given followed by two conclusions. Decide which of the given conclusions can definitely be drawn from the given statement.

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

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

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

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

Question ID : 54335319319

Option 1 ID : 54335377535

Option 2 ID : 54335377533

Option 3 ID : 54335377532

Option 4 ID : 54335377534

Status : Not Answered

Chosen Option : --

Q.8  
9 Find x if the mean of the numbers 10, 4, 1, 15, 15, x, 12 and 14 is 10.

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

Question ID : 54335319290

Option 1 ID : 54335377417

Option 2 ID : 54335377416

Option 3 ID : 54335377418

Option 4 ID : 54335377419

Status : Answered

Chosen Option : 4

Q.9 Find the missing number in the given series.

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

Ans ☒ 1. 0.2

☒ 2. 0.4

☒ 3. 0.1

☒ 4. 0.3

Question ID : 54335319298

Option 1 ID : 54335377449

Option 2 ID : 54335377450

Option 3 ID : 54335377451

Option 4 ID : 54335377448

Status : Answered

Chosen Option : 1

Q.9 If A, B and C can do a task working alone in 12, 18 and 36 days respectively. They all work together for 2 days, then B quits. How many days A and C working together will take to complete the remainder of the task?

Ans ☒ 1. 3

☒ 2. 4

☒ 3. 6

☒ 4. 9

Question ID : 54335319281

Option 1 ID : 54335377383

Option 2 ID : 54335377381

Option 3 ID : 54335377382

Option 4 ID : 54335377380

Status : Not Answered

Chosen Option : --

Q.9 Find the potential difference (in V) across a resistance of  $2.5\text{ k}\Omega$  through which a 2 mA current flows.

Ans ☒ 1. 0.2

☒ 2. 5

☒ 3. 0.8

☒ 4. 1.25

Question ID : 54335319256

Option 1 ID : 54335377282

Option 2 ID : 54335377283

Option 3 ID : 54335377281

Option 4 ID : 54335377280

Status : Answered

Chosen Option : 2

Q.9 A and B start to walk from point P towards point Q. The distance between P and Q is 9 km. B starts 4 minutes after A.  
3 A, on reaching Q, immediately returns and after walking a kilometre meets B. If A's speed is a kilometre in 10 minutes, what is B's speed in kilometres per minute?

- Ans ☒ 1. 1/12  
☒ 2. 1/15  
☒ 3. 1/8  
☒ 4. 1/6

Question ID : 54335319259  
Option 1 ID : 54335377292  
Option 2 ID : 54335377295  
Option 3 ID : 54335377293  
Option 4 ID : 54335377294  
Status : Not Answered  
Chosen Option : --

Q.9 \_\_\_\_\_ is when we cover a surface with a pattern of flat shapes so that there are no overlaps or gaps.  
4

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

Question ID : 54335319242  
Option 1 ID : 54335377227  
Option 2 ID : 54335377224  
Option 3 ID : 54335377226  
Option 4 ID : 54335377225  
Status : Not Answered  
Chosen Option : --

Q.9 What is the diameter (in cm) of a sphere of surface area  $1386 \text{ cm}^2$  ?  
5

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

Question ID : 54335319279  
Option 1 ID : 54335377373  
Option 2 ID : 54335377372  
Option 3 ID : 54335377374  
Option 4 ID : 54335377375  
Status : Not Answered  
Chosen Option : --

Q.9  $-100^\circ$  Celsius = \_\_\_\_\_ Fahrenheit  
6

- Ans ☒ 1.  $-373^\circ$   
☒ 2.  $-212^\circ$   
☒ 3.  $173^\circ$

✓ 4.  $-148^\circ$

Question ID : 54335319264

Option 1 ID : 54335377315

Option 2 ID : 54335377313

Option 3 ID : 54335377314

Option 4 ID : 54335377312

Status : Answered

Chosen Option : 3

Q.9 To \_\_\_\_\_ is to prepare a storage medium, usually a disk, for reading and writing.

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

Question ID : 54335319269

Option 1 ID : 54335377333

Option 2 ID : 54335377335

Option 3 ID : 54335377332

Option 4 ID : 54335377334

Status : Not Answered

Chosen Option : --

Q.9 If a shopkeeper sells an item at ₹ 2,700, he makes 8% profit. If he sells the item at ₹ 3,000 what will be the percentage of profit?

- Ans
- ✗ 1. 10
  - ✓ 2. 20
  - ✗ 3. 25
  - ✗ 4. 12

Question ID : 54335319284

Option 1 ID : 54335377394

Option 2 ID : 54335377395

Option 3 ID : 54335377393

Option 4 ID : 54335377392

Status : Not Answered

Chosen Option : --

Q.9 Farad per metre is the unit of \_\_\_\_\_.

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

Question ID : 54335319246

Option 1 ID : 54335377240

Option 2 ID : 54335377242

Option 3 ID : 54335377241

Option 4 ID : 54335377243

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

Q.1 00 The Living Planet Report, released every two years, is the flagship publication of which organisation?

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

Question ID : 54335319221  
Option 1 ID : 54335377142  
Option 2 ID : 54335377140  
Option 3 ID : 54335377141  
Option 4 ID : 54335377143  
Status : **Not Answered**  
Chosen Option : --

Section : Mechanic Motor Vehicle

Q.1 What is the function of a sensor in the MPFI system?

- Ans ☒ 1.  
It senses the information in the form of physical and chemical variables.  
☒ 2. It does the mechanical work.  
☒ 3. It controls the pressure.  
☒ 4. It operates the injector.

Question ID : 54335319370  
Option 1 ID : 54335377739  
Option 2 ID : 54335377738  
Option 3 ID : 54335377736  
Option 4 ID : 54335377737  
Status : **Not Answered**  
Chosen Option : --

Q.2 Which of the following conductors is used in bulbs?

- Ans ☒ 1. Carbon  
☒ 2. Copper  
☒ 3. Tungsten  
☒ 4. Nichrome

Question ID : 54335319384  
Option 1 ID : 54335377793  
Option 2 ID : 54335377794  
Option 3 ID : 54335377792  
Option 4 ID : 54335377795  
Status : **Answered**  
Chosen Option : 3

Q.3 In an overhead valve system, the cylinder head supports the \_\_\_\_\_.

- Ans
- ☐ 1. crankshaft
  - ☐ 2. oil pan
  - ☐ 3. oil pump
  - ☒ 4. rocker shaft assembly

Question ID : 54335319338

Option 1 ID : 54335377610

Option 2 ID : 54335377608

Option 3 ID : 54335377611

Option 4 ID : 54335377609

Status : Answered

Chosen Option : 1

Q.4 Distributor - type FIP is also called:

- Ans
- ☐ 1. low - pressure pump
  - ☒ 2. rotary pump
  - ☐ 3. servo pump
  - ☐ 4. in - line pump

Question ID : 54335319350

Option 1 ID : 54335377658

Option 2 ID : 54335377657

Option 3 ID : 54335377659

Option 4 ID : 54335377656

Status : Not Answered

Chosen Option : --

Q.5 The two commonly used semiconductor materials are:

- Ans
- ☐ 1. arsenic and boron
  - ☐ 2. aluminium and antimony
  - ☐ 3. gallium and indium
  - ☒ 4. germanium and silicon

Question ID : 54335319330

Option 1 ID : 54335377579

Option 2 ID : 54335377577

Option 3 ID : 54335377576

Option 4 ID : 54335377578

Status : Answered

Chosen Option : 1

Q.6 The function of an alternator in vehicles is to:

- Ans
- ☐ 1. discharge the battery
  - ☐ 2. measure the voltage

- ☒ 3. measure the current  
☒ 4. charge the battery

Question ID : 54335319353  
Option 1 ID : 54335377670  
Option 2 ID : 54335377669  
Option 3 ID : 54335377668  
Option 4 ID : 54335377671  
Status : Answered  
Chosen Option : 1

Q.7 The centre part of a typical universal joint is called the \_\_\_\_\_.

- Ans ☒ 1. Joint  
☒ 2. Bearing  
☒ 3. Spider  
☒ 4. Trunnion

Question ID : 54335319355  
Option 1 ID : 54335377677  
Option 2 ID : 54335377678  
Option 3 ID : 54335377679  
Option 4 ID : 54335377676  
Status : Answered  
Chosen Option : 3

Q.8 The track rod is connected to the track arm by a \_\_\_\_\_.

- Ans ☒ 1. ball joint  
☒ 2. stub axle  
☒ 3. king pin  
☒ 4. universal joint

Question ID : 54335319362  
Option 1 ID : 54335377704  
Option 2 ID : 54335377706  
Option 3 ID : 54335377705  
Option 4 ID : 54335377707  
Status : Answered  
Chosen Option : 3

Q.9 Headlights are also used as:

- Ans ☒ 1. side indicators  
☒ 2. signalling devices  
☒ 3. stop indicators  
☒ 4. heating devices

Question ID : 54335319374  
Option 1 ID : 54335377752

Option 2 ID : 54335377754

Option 3 ID : 54335377753

Option 4 ID : 54335377755

Status : Answered

Chosen Option : 3

Q.1  
0 Theoretically, ignition in an engine should occur at:

- Ans
- ☒ 1. BDC at the start of the power stroke
  - ☒ 2. TDC at the end of the compression stroke
  - ☒ 3. TDC at the start of the compression stroke
  - ☒ 4. BDC at the end of the induction

Question ID : 54335319365

Option 1 ID : 54335377718

Option 2 ID : 54335377717

Option 3 ID : 54335377716

Option 4 ID : 54335377719

Status : Answered

Chosen Option : 2

Q.1  
1 The chisel will dig into the material when:

- Ans
- ☒ 1. the rake angle is more
  - ☒ 2. the angle of inclination is more
  - ☒ 3. the angle of inclination is too low
  - ☒ 4. the clearance angle is too low

Question ID : 54335319378

Option 1 ID : 54335377768

Option 2 ID : 54335377770

Option 3 ID : 54335377771

Option 4 ID : 54335377769

Status : Not Answered

Chosen Option : --

Q.1  
2 The taper shank drills are held on machines by means of:

- Ans
- ☒ 1. Chucks
  - ☒ 2. Vices
  - ☒ 3. Drifts
  - ☒ 4. Sleeves

Question ID : 54335319323

Option 1 ID : 54335377548

Option 2 ID : 54335377551

Option 3 ID : 54335377549

Option 4 ID : 54335377550

Status : Answered

Chosen Option : 4

Q.1  
3 The sensor which measures the outside air entering the engine:

- Ans
- ☒ 1. Mass air flow sensor (MAF)
  - ☐ 2. Throttle position sensor (TPS)
  - ☐ 3. Manifold Absolute pressure sensor (MAP)
  - ☐ 4. Oxygen sensor

Question ID : 54335319325  
Option 1 ID : 54335377558  
Option 2 ID : 54335377556  
Option 3 ID : 54335377559  
Option 4 ID : 54335377557  
Status : Answered  
Chosen Option : 3

Q.1  
4 Supercharging in marine engines is done to:

- Ans
- ☐ 1. decrease the engine power output
  - ☐ 2. decrease the fuel pressure
  - ☐ 3. increase the fuel pressure
  - ☒ 4. increase the engine power output

Question ID : 54335319352  
Option 1 ID : 54335377665  
Option 2 ID : 54335377667  
Option 3 ID : 54335377666  
Option 4 ID : 54335377664  
Status : Answered  
Chosen Option : 4

Q.1  
5 Which of the following is a common reason for using aluminium sheets?

- Ans
- ☒ 1. Lightness
  - ☐ 2. Dullness
  - ☐ 3. Brightness
  - ☐ 4. Darkness

Question ID : 54335319327  
Option 1 ID : 54335377564  
Option 2 ID : 54335377566  
Option 3 ID : 54335377565  
Option 4 ID : 54335377567  
Status : Answered  
Chosen Option : 1

Q.1  
6 Halon extinguishers are filled with:

- Ans
- ☐ 1. kerosene
  - ☐ 2. liquefied petroleum gas

- ☒ 3. carbon tetrachloride  
☒ 4. water

Question ID : 54335319377  
Option 1 ID : 54335377767  
Option 2 ID : 54335377765  
Option 3 ID : 54335377766  
Option 4 ID : 54335377764  
Status : Answered  
Chosen Option : 3

Q.1  
7 Which types of rims are used generally in light vehicles?

- Ans ☒ 1. Split - type  
☒ 2. Wire spoke  
☒ 3. Press - type  
☒ 4. Artillery

Question ID : 54335319364  
Option 1 ID : 54335377713  
Option 2 ID : 54335377714  
Option 3 ID : 54335377712  
Option 4 ID : 54335377715  
Status : Answered  
Chosen Option : 2

Q.1  
8 Which part of the piston is subjected to high pressure and temperature?

- Ans ☒ 1. Skirt  
☒ 2. Crown  
☒ 3. Ring section  
☒ 4. Lead

Question ID : 54335319394  
Option 1 ID : 54335377833  
Option 2 ID : 54335377832  
Option 3 ID : 54335377835  
Option 4 ID : 54335377834  
Status : Answered  
Chosen Option : 2

Q.1  
9 Which of the following is NOT a heat treatment process?

- Ans ☒ 1. Normalising  
☒ 2. Tempering  
☒ 3. Machining  
☒ 4. Annealing

Question ID : 54335319332  
Option 1 ID : 54335377585

Option 2 ID : 54335377586

Option 3 ID : 54335377587

Option 4 ID : 54335377584

Status : Not Answered

Chosen Option : --

Q.2  
0 Which fire extinguisher is suitable for live electrical fire?

- Ans
- ☒ 1. CO<sub>2</sub>
  - ☐ 2. Liquefied chemical
  - ☐ 3. Water filled
  - ☐ 4. Halon

Question ID : 54335319320

Option 1 ID : 54335377538

Option 2 ID : 54335377539

Option 3 ID : 54335377537

Option 4 ID : 54335377536

Status : Answered

Chosen Option : 4

Q.2  
1 What does NDT stand for?

- Ans
- ☒ 1. Non - Destructive Test
  - ☐ 2. Non - Dial Test
  - ☐ 3. Non - Driving Test
  - ☐ 4. Non - Dry Test

Question ID : 54335319333

Option 1 ID : 54335377589

Option 2 ID : 54335377590

Option 3 ID : 54335377588

Option 4 ID : 54335377591

Status : Answered

Chosen Option : 1

Q.2  
2 The most common base material for ICs is:

- Ans
- ☐ 1. germanium
  - ☒ 2. silicon
  - ☐ 3. gallium
  - ☐ 4. carbon

Question ID : 54335319386

Option 1 ID : 54335377800

Option 2 ID : 54335377801

Option 3 ID : 54335377803

Option 4 ID : 54335377802

Status : Not Answered

Chosen Option : --

Q.2  
3 A \_\_\_\_\_ is mounted on the rear end of a crankshaft.

- Ans
- ☒ 1. flywheel
  - ☐ 2. timing sprocket
  - ☐ 3. vibration damper
  - ☐ 4. counter weight

Question ID : 54335319340  
Option 1 ID : 54335377617  
Option 2 ID : 54335377616  
Option 3 ID : 54335377618  
Option 4 ID : 54335377619  
Status : Answered  
Chosen Option : 1

Q.2  
4 Connecting rods are made of:

- Ans
- ☐ 1. Aluminium
  - ☐ 2. mild steel
  - ☒ 3. alloy steel
  - ☐ 4. cast iron

Question ID : 54335319339  
Option 1 ID : 54335377613  
Option 2 ID : 54335377612  
Option 3 ID : 54335377614  
Option 4 ID : 54335377615  
Status : Answered  
Chosen Option : 4

Q.2  
5 What controls the fuel metering and delivering in the MPFI system?

- Ans
- ☐ 1. Relay
  - ☐ 2. Fuse
  - ☐ 3. Fusible link
  - ☒ 4. Electronic control module

Question ID : 54335319369  
Option 1 ID : 54335377735  
Option 2 ID : 54335377734  
Option 3 ID : 54335377733  
Option 4 ID : 54335377732  
Status : Not Answered  
Chosen Option : --

Q.2  
6 Which type of lifting equipment is used in service stations for servicing of vehicles?

- Ans
- ☐ 1. Hydraulic jack
  - ☐ 2. Hydraulic press
  - ☒ 3. Hydraulic hoist

☒ 4. Arbor press

Question ID : 54335319335  
Option 1 ID : 54335377596  
Option 2 ID : 54335377598  
Option 3 ID : 54335377597  
Option 4 ID : 54335377599  
Status : Answered  
Chosen Option : 1

Q.2  
7 Rotary motion of the steering wheel is converted into a reciprocating motion by the \_\_\_\_\_.

- Ans ☒ 1. track rod  
☒ 2. steering gear box  
☒ 3. stub axle  
☒ 4. track arm

Question ID : 54335319360  
Option 1 ID : 54335377696  
Option 2 ID : 54335377699  
Option 3 ID : 54335377698  
Option 4 ID : 54335377697  
Status : Answered  
Chosen Option : 3

Q.2  
8 Pneumatic study deals with the study of systems operated with:

- Ans ☒ 1. water  
☒ 2. solid  
☒ 3. air  
☒ 4. oil

Question ID : 54335319390  
Option 1 ID : 54335377817  
Option 2 ID : 54335377819  
Option 3 ID : 54335377816  
Option 4 ID : 54335377818  
Status : Answered  
Chosen Option : 4

Q.2  
9 Which type of fuel injection pump has a plunger and barrel assembly for each cylinder of the engine?

- Ans ☒ 1. Distributor pump  
☒ 2. Inline pump  
☒ 3. CRDI pump  
☒ 4. Feed pump

Question ID : 54335319348  
Option 1 ID : 54335377648  
Option 2 ID : 54335377649

Option 3 ID : 54335377651  
Option 4 ID : 54335377650  
Status : **Not Answered**  
Chosen Option : --

Q.3  
0 Gear box and differential together are enclosed in a box, which is called the \_\_\_\_\_.

- Ans
- ☒ 1. Multi-axle
  - ☒ 2. Transaxle
  - ☒ 3. Gear box
  - ☒ 4. Transfer case

Question ID : 54335319359  
Option 1 ID : 54335377694  
Option 2 ID : 54335377695  
Option 3 ID : 54335377692  
Option 4 ID : 54335377693  
Status : **Answered**  
Chosen Option : 1

Q.3  
1 The cylinder head is a single casting bolted on the top of the \_\_\_\_\_.

- Ans
- ☒ 1. Camshaft
  - ☒ 2. crankshaft
  - ☒ 3. oil sump
  - ☒ 4. cylinder block

Question ID : 54335319337  
Option 1 ID : 54335377604  
Option 2 ID : 54335377606  
Option 3 ID : 54335377607  
Option 4 ID : 54335377605  
Status : **Answered**  
Chosen Option : 4

Q.3  
2 The taper shank drills should be mounted on the machine spindles by means of a \_\_\_\_\_.

- Ans
- ☒ 1. Drift
  - ☒ 2. tang of file
  - ☒ 3. Hammer
  - ☒ 4. Punch

Question ID : 54335319324  
Option 1 ID : 54335377555  
Option 2 ID : 54335377553  
Option 3 ID : 54335377552  
Option 4 ID : 54335377554  
Status : **Answered**  
Chosen Option : 1

Q.3  
3 The choke in the carburettor is generally used when the engine is:

- Ans
- ☒ 1. running at high speed
  - ☒ 2. to be suddenly accelerated
  - ☒ 3. to be cold started
  - ☒ 4. Idling

Question ID : 54335319366  
Option 1 ID : 54335377721  
Option 2 ID : 54335377722  
Option 3 ID : 54335377723  
Option 4 ID : 54335377720  
Status : Answered  
Chosen Option : 3

Q.3  
4 In a Distributor less ignition system the distributor is replaced by:

- Ans
- ☒ 1. Brushes
  - ☒ 2. Insulated coils
  - ☒ 3. Ignition switch
  - ☒ 4. Rotor

Question ID : 54335319387  
Option 1 ID : 54335377804  
Option 2 ID : 54335377805  
Option 3 ID : 54335377807  
Option 4 ID : 54335377806  
Status : Answered  
Chosen Option : 2

Q.3  
5 The part that must be fitted in a piston to ensure a good seal with the cylinder wall is called:

- Ans
- ☒ 1. piston rings
  - ☒ 2. piston pins
  - ☒ 3. connecting rods
  - ☒ 4. Gaskets

Question ID : 54335319336  
Option 1 ID : 54335377602  
Option 2 ID : 54335377600  
Option 3 ID : 54335377601  
Option 4 ID : 54335377603  
Status : Answered  
Chosen Option : 1

Q.3  
6 Ammeter is connected to circuits in:

- Ans
- ☒ 1. series or parallel
  - ☒ 2. Open
  - ☒ 3. Parallel
  - ☒ 4. Series

Question ID : 54335319328  
Option 1 ID : 54335377570  
Option 2 ID : 54335377571  
Option 3 ID : 54335377569  
Option 4 ID : 54335377568  
Status : Answered  
Chosen Option : 3

Q.3 In rear axle, what is used between the axle retainer plate and the housing to limit axle end play?

- Ans
- ☒ 1. Spring washers
  - ☒ 2. Shims
  - ☒ 3. Thrust washers
  - ☒ 4. Spring

Question ID : 54335319357  
Option 1 ID : 54335377684  
Option 2 ID : 54335377686  
Option 3 ID : 54335377685  
Option 4 ID : 54335377687  
Status : Answered  
Chosen Option : 4

Q.3 In distributor-less ignition systems, ignition can be adjusted manually by:

- Ans
- ☒ 1. It cannot be adjusted manually.
  - ☒ 2. adjusting screws
  - ☒ 3. centrifugal weights
  - ☒ 4. vacuum

Question ID : 54335319372  
Option 1 ID : 54335377747  
Option 2 ID : 54335377746  
Option 3 ID : 54335377744  
Option 4 ID : 54335377745  
Status : Not Answered  
Chosen Option : --

Q.3 Which component acts as the drive device in the automobile air conditioning system?

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

Question ID : 54335319375  
Option 1 ID : 54335377757  
Option 2 ID : 54335377758  
Option 3 ID : 54335377756  
Option 4 ID : 54335377759  
Status : Answered

Chosen Option : 3

Q.4  
0 Which of the following is required between the ring gear and the pinion gear to allow for heat expansion and lubrication?

- Ans
- ☒ 1. Shims
  - ☒ 2. Hole
  - ☒ 3. Pits
  - ☒ 4. Backlash

Question ID : 54335319358

Option 1 ID : 54335377690

Option 2 ID : 54335377691

Option 3 ID : 54335377688

Option 4 ID : 54335377689

Status : Answered

Chosen Option : 3

Q.4  
1 A bent snip is used for:

- Ans
- ☒ 1. bending a sheet
  - ☒ 2. making holes on a sheet
  - ☒ 3. removing the burr
  - ☒ 4. cutting a sheet along a curved line

Question ID : 54335319383

Option 1 ID : 54335377790

Option 2 ID : 54335377789

Option 3 ID : 54335377788

Option 4 ID : 54335377791

Status : Not Answered

Chosen Option : --

Q.4  
2 In a multi - cylinder engine, which of the following arrangements is considered to be the simplest?

- Ans
- ☒ 1. V- engines
  - ☒ 2. Cylinders in - line
  - ☒ 3. Horizontally opposed type
  - ☒ 4. Radial

Question ID : 54335319342

Option 1 ID : 54335377625

Option 2 ID : 54335377624

Option 3 ID : 54335377626

Option 4 ID : 54335377627

Status : Answered

Chosen Option : 1

Q.4  
3 Which of the following does not require a coolant during reaming?

Ans

- ☒ 1. Aluminium
- ☒ 2. Copper
- ☒ 3. Cast iron
- ☒ 4. Steel

Question ID : 54335319326  
Option 1 ID : 54335377560  
Option 2 ID : 54335377562  
Option 3 ID : 54335377561  
Option 4 ID : 54335377563  
Status : Answered  
Chosen Option : 3

Q.4  
4 An alternator is generally fitted at \_\_\_\_\_ of the engine.

- Ans
- ☒ 1. rear side
  - ☒ 2. front side
  - ☒ 3. centre
  - ☒ 4. bottom side

Question ID : 54335319373  
Option 1 ID : 54335377749  
Option 2 ID : 54335377748  
Option 3 ID : 54335377750  
Option 4 ID : 54335377751  
Status : Answered  
Chosen Option : 2

Q.4  
5 Which of the following (gears) converts rotary motion into linear motion?

- Ans
- ☒ 1. Rack and pinion
  - ☒ 2. Herringbone gear
  - ☒ 3. Worm gear
  - ☒ 4. Helical gear

Question ID : 54335319354  
Option 1 ID : 54335377674  
Option 2 ID : 54335377673  
Option 3 ID : 54335377672  
Option 4 ID : 54335377675  
Status : Answered  
Chosen Option : 1

Q.4  
6 A 12 - V lead acid battery consists of:

- Ans
- ☒ 1. six cells in parallel
  - ☒ 2. three cells in series
  - ☒ 3. three cells in parallel
  - ☒ 4. six cells in series

Question ID : 54335319385

Option 1 ID : 54335377799

Option 2 ID : 54335377796

Option 3 ID : 54335377798

Option 4 ID : 54335377797

Status : Not Answered

Chosen Option : --

Q.4  
7 In the differential, the crown wheel is attached to the \_\_\_\_\_.

- Ans
- ☒ 1. bevel pinion
  - ☒ 2. propeller shaft
  - ☒ 3. bevel gear
  - ☒ 4. differential cage

Question ID : 54335319356

Option 1 ID : 54335377681

Option 2 ID : 54335377683

Option 3 ID : 54335377680

Option 4 ID : 54335377682

Status : Answered

Chosen Option : 1

Q.4  
8 Stoichiometric ratio is associated with:

- Ans
- ☒ 1. compression pressure
  - ☒ 2. mechanical efficiency
  - ☒ 3. air to fuel ratio
  - ☒ 4. volumetric efficiency

Question ID : 54335319367

Option 1 ID : 54335377725

Option 2 ID : 54335377727

Option 3 ID : 54335377724

Option 4 ID : 54335377726

Status : Answered

Chosen Option : 3

Q.4  
9 Which of the following type of steering gear box is most widely used in passenger cars?

- Ans
- ☒ 1. Recirculating ball type
  - ☒ 2. Worm and nut
  - ☒ 3. Rack and pinion
  - ☒ 4. Worm and wheel

Question ID : 54335319361

Option 1 ID : 54335377701

Option 2 ID : 54335377703

Option 3 ID : 54335377700

Option 4 ID : 54335377702

Status : Answered

Chosen Option : 3

Q.5  
0 What is determined while measuring a component?

- Ans
- ☒ 1. Nominal size
  - ☒ 2. Actual size
  - ☒ 3. Scale size
  - ☒ 4. Specified size

Question ID : 54335319379  
Option 1 ID : 54335377772  
Option 2 ID : 54335377773  
Option 3 ID : 54335377775  
Option 4 ID : 54335377774  
Status : Not Answered  
Chosen Option : --

Q.5  
1 Which of the following is used to check the gap between contact breaker points?

- Ans
- ☒ 1. Micrometer gauge
  - ☒ 2. Wire gauge
  - ☒ 3. Vernier gauge
  - ☒ 4. Feeler gauge

Question ID : 54335319371  
Option 1 ID : 54335377742  
Option 2 ID : 54335377741  
Option 3 ID : 54335377743  
Option 4 ID : 54335377740  
Status : Answered  
Chosen Option : 3

Q.5  
2 Which of the following is NOT a part of the MPFI system?

- Ans
- ☒ 1. Throttle position sensor
  - ☒ 2. Electronic fuel injector
  - ☒ 3. Carburettor
  - ☒ 4. Electrical fuel pump

Question ID : 54335319368  
Option 1 ID : 54335377728  
Option 2 ID : 54335377729  
Option 3 ID : 54335377731  
Option 4 ID : 54335377730  
Status : Not Answered  
Chosen Option : --

Q.5  
3 The fuel injection timing in a distributor type injection system is controlled by: (Choose the correct option)

Ans

- ☐ 1. changing the number of cams on the ring
- ☒ 2. rotating the cam ring
- ☐ 3. changing the plunger stroke
- ☐ 4. changing the speed of the rotor

Question ID : 54335319349  
Option 1 ID : 54335377655  
Option 2 ID : 54335377654  
Option 3 ID : 54335377652  
Option 4 ID : 54335377653  
Status : Not Answered  
Chosen Option : --

Q.5 Spark plug of automobile consist of two electrodes one is ground electrode and the other is:

4

- Ans ☐ 1. Dielectric electrode
- ☒ 2. Zero electrode
- ☐ 3. Central electrode
- ☐ 4. Right electrode

Question ID : 54335319388  
Option 1 ID : 54335377810  
Option 2 ID : 54335377808  
Option 3 ID : 54335377809  
Option 4 ID : 54335377811  
Status : Answered  
Chosen Option : 1

Q.5 In an automatic transmission system, on gear shifting, lever R indicates:

5

- Ans ☒ 1. Reverse
- ☐ 2. Parking
- ☐ 3. Forward
- ☐ 4. Drive

Question ID : 54335319363  
Option 1 ID : 54335377709  
Option 2 ID : 54335377711  
Option 3 ID : 54335377708  
Option 4 ID : 54335377710  
Status : Answered  
Chosen Option : 1

Q.5 Piston pin connects piston and \_\_\_\_\_.

6

- Ans ☒ 1. connecting rod
- ☐ 2. valve
- ☐ 3. crankshaft
- ☐ 4. camshaft

Question ID : 54335319389

Option 1 ID : 54335377812

Option 2 ID : 54335377815

Option 3 ID : 54335377814

Option 4 ID : 54335377813

Status : Answered

Chosen Option : 1

Q.5  
7 Taps are re - sharpened by grinding:

Ans ☒ 1. diameter

☒ 2. threads

☒ 3. flutes

☒ 4. relief

Question ID : 54335319381

Option 1 ID : 54335377782

Option 2 ID : 54335377781

Option 3 ID : 54335377780

Option 4 ID : 54335377783

Status : Not Answered

Chosen Option : --

Q.5  
8 Which of the following is used to measure the ovality of a cylinder bore?

Ans ☒ 1. Pressure gauge

☒ 2. Height gauge

☒ 3. Dial bore gauge

☒ 4. Vacuum gauge

Question ID : 54335319322

Option 1 ID : 54335377547

Option 2 ID : 54335377545

Option 3 ID : 54335377546

Option 4 ID : 54335377544

Status : Answered

Chosen Option : 3

Q.5  
9 CRDI stands for:

Ans ☒ 1. Common Regular Direct Interval

☒ 2. Common Rack Direct Injection

☒ 3. Common Rail Distributor Injector

☒ 4. Common Rail Direct Injection

Question ID : 54335319351

Option 1 ID : 54335377661

Option 2 ID : 54335377663

Option 3 ID : 54335377662

Option 4 ID : 54335377660

Status : Answered

Chosen Option : 3

Q.6  
0 In diesel engines, fuel and air are mixed in the \_\_\_\_\_.

- Ans
- ☒ 1. inlet port
  - ☒ 2. combustion chamber
  - ☒ 3. carburettor
  - ☒ 4. injector

Question ID : 54335319392

Option 1 ID : 54335377827

Option 2 ID : 54335377826

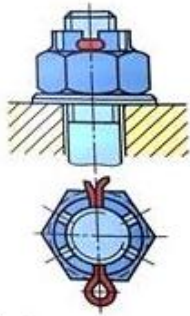
Option 3 ID : 54335377824

Option 4 ID : 54335377825

Status : Answered

Chosen Option : 2

Q.6  
1 Identify the locking arrangement in the following figure.



- Ans
- ☒ 1. Wire fasteners
  - ☒ 2. Corrugated head screw
  - ☒ 3. Tab washers
  - ☒ 4. Castle nut with split pin

Question ID : 54335319380

Option 1 ID : 54335377778

Option 2 ID : 54335377777

Option 3 ID : 54335377779

Option 4 ID : 54335377776

Status : Answered

Chosen Option : 4

Q.6  
2 What is the function of hydraulic pumps in hydraulic systems?

- Ans
- ☒ 1. To permit the pressure in the reservoir to force fluid into the pump
  - ☒ 2. To develop pressure on the surface of oil
  - ☒ 3. To deliver fluid into the hydraulic system
  - ☒ 4. To produce flow only and not pressure

Question ID : 54335319334

Option 1 ID : 54335377595

Option 2 ID : 54335377592

Option 3 ID : 54335377593

Option 4 ID : 54335377594

Status : Answered

Chosen Option : 3

Q.6  
3 Which of the following is a temporary joint?

- Ans
- ☒ 1. Welded joint
  - ☒ 2. Soldered joint
  - ☒ 3. Press fit joint
  - ☒ 4. Riveted joint

Question ID : 54335319331

Option 1 ID : 54335377580

Option 2 ID : 54335377582

Option 3 ID : 54335377583

Option 4 ID : 54335377581

Status : Answered

Chosen Option : 3

Q.6  
4 A radiator core should be cleaned \_\_\_\_\_.

- Ans
- ☒ 1. from top to bottom of the core
  - ☒ 2. from top hose to bottom hose
  - ☒ 3. from the outside to the side of the fan
  - ☒ 4. by reverse flushing

Question ID : 54335319344

Option 1 ID : 54335377634

Option 2 ID : 54335377635

Option 3 ID : 54335377632

Option 4 ID : 54335377633

Status : Answered

Chosen Option : 3

Q.6  
5 Which of the following is the function of a flywheel?

- Ans
- ☒ 1. It drives the camshaft.
  - ☒ 2. It controls the crankshaft end play.
  - ☒ 3. It supports the timing gear.
  - ☒ 4.

It serves as a mounting and frictional surface for clutch assembly.

Question ID : 54335319341

Option 1 ID : 54335377621

Option 2 ID : 54335377623

Option 3 ID : 54335377622

Option 4 ID : 54335377620

Status : Answered

Chosen Option : 4

Q.6  
6 Viscosity of a fluid offers resistance to:

- Ans
- ☒ 1. flow
  - ☐ 2. sound
  - ☐ 3. light
  - ☐ 4. current

Question ID : 54335319391

Option 1 ID : 54335377823

Option 2 ID : 54335377822

Option 3 ID : 54335377821

Option 4 ID : 54335377820

Status : Answered

Chosen Option : 1

Q.6  
7 The opening and closing of the valve in relation to the piston movement is called:

- Ans
- ☐ 1. valve mechanism
  - ☒ 2. valve timing
  - ☐ 3. valve operation
  - ☐ 4. valve overlap

Question ID : 54335319393

Option 1 ID : 54335377830

Option 2 ID : 54335377828

Option 3 ID : 54335377829

Option 4 ID : 54335377831

Status : Answered

Chosen Option : 2

Q.6  
8 A turbocharger is mounted on the \_\_\_\_\_.

- Ans
- ☐ 1. inlet manifold
  - ☐ 2. front of the engine block
  - ☐ 3. flywheel side
  - ☒ 4. exhaust manifold

Question ID : 54335319346

Option 1 ID : 54335377640

Option 2 ID : 54335377641

Option 3 ID : 54335377642

Option 4 ID : 54335377643

Status : Not Answered

Chosen Option : --

Q.6  
9 Maximum oil pressure in the lubrication system is controlled by the \_\_\_\_\_.

- Ans ☒ 1. pressure relief valve  
☒ 2. pressure switch  
☒ 3. oil filter  
☒ 4. pump rotor

Question ID : 54335319345  
Option 1 ID : 54335377638  
Option 2 ID : 54335377639  
Option 3 ID : 54335377636  
Option 4 ID : 54335377637  
Status : Not Answered  
Chosen Option : --

Q.7  
0 The exhaust manifold in small diesel engines is made of:

- Ans ☒ 1. Aluminium  
☒ 2. Copper  
☒ 3. cast iron  
☒ 4. brass

Question ID : 54335319347  
Option 1 ID : 54335377646  
Option 2 ID : 54335377647  
Option 3 ID : 54335377644  
Option 4 ID : 54335377645  
Status : Answered  
Chosen Option : 4

Q.7  
1 A die is:

- Ans ☒ 1. an external thread cutting tool  
☒ 2. an acme thread cutting tool  
☒ 3. an internal thread cutting tool  
☒ 4. a square thread cutting tool

Question ID : 54335319382  
Option 1 ID : 54335377784  
Option 2 ID : 54335377787  
Option 3 ID : 54335377785  
Option 4 ID : 54335377786  
Status : Not Answered  
Chosen Option : --

Q.7  
2 The purpose of holding the hammer handle at its end is to:

- Ans ☒ 1. avoid injury to hand  
☒ 2. have maximum leverage  
☒ 3. avoid damage to workpiece

☒ 4. get a proper grip

Question ID : 54335319321  
Option 1 ID : 54335377540  
Option 2 ID : 54335377542  
Option 3 ID : 54335377543  
Option 4 ID : 54335377541  
Status : Answered  
Chosen Option : 2

Q.7  
3 The colour of the negative plates of a lead acid battery is:

- Ans ☒ 1. Black  
☒ 2. White  
☒ 3. Brown  
☒ 4. Grey

Question ID : 54335319329  
Option 1 ID : 54335377575  
Option 2 ID : 54335377574  
Option 3 ID : 54335377572  
Option 4 ID : 54335377573  
Status : Answered  
Chosen Option : 2

Q.7  
4 Which tool is used to remove and refit valves in a cylinder head?

- Ans ☒ 1. Valve bend remover  
☒ 2. Valve spring aligner  
☒ 3. Valve spring remover  
☒ 4. Spring tension tester

Question ID : 54335319343  
Option 1 ID : 54335377629  
Option 2 ID : 54335377630  
Option 3 ID : 54335377628  
Option 4 ID : 54335377631  
Status : Not Answered  
Chosen Option : --

Q.7  
5 What is the purpose of a fog light?

- Ans ☒ 1. To produce yellow light rays during mist/fog  
☒ 2. To read the working of gauges  
☒ 3. To produce interior illumination  
☒ 4. To indicate the vehicle is being parked.

Question ID : 54335319376  
Option 1 ID : 54335377762  
Option 2 ID : 54335377761  
Option 3 ID : 54335377763

Option 4 ID : 54335377760  
Status : **Answered**  
Chosen Option : 1

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