



RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

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

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

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

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

Question ID : 7079669867
Option 1 ID : 70796639466
Option 2 ID : 70796639467
Option 3 ID : 70796639468
Option 4 ID : 70796639465
Status : Answered
Chosen Option : 4

Q.2 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 percentage profit?

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

Question ID : 7079669866
Option 1 ID : 70796639461
Option 2 ID : 70796639462
Option 3 ID : 70796639463
Option 4 ID : 70796639464
Status : Answered
Chosen Option : 2

Q.3 The _____ across the ends of a resistor is directly proportional to the current through it, provided its temperature remains the same.

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

Question ID : 7079669834
Option 1 ID : 70796639335
Option 2 ID : 70796639333
Option 3 ID : 70796639334
Option 4 ID : 70796639336
Status : Answered
Chosen Option : 1

Q.4 If a vendor sells a coconut at ₹32, he incurs a 20% loss. What is the cost price of the coconut?

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

Question ID : 7079669865
Option 1 ID : 70796639460
Option 2 ID : 70796639459
Option 3 ID : 70796639458
Option 4 ID : 70796639457
Status : Answered
Chosen Option : 3

Q.5 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 II follows.
☐ 2. Only conclusion I follows.
☐ 3. Neither conclusion I nor II follows.
☐ 4. Both conclusions I and II follow.

Question ID : 7079669900
Option 1 ID : 70796639598
Option 2 ID : 70796639597
Option 3 ID : 70796639599
Option 4 ID : 70796639600
Status : Not Answered
Chosen Option : --

Q.6 Binary number 101110110 is equal to decimal number _____.

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

Question ID : 7079669851
Option 1 ID : 70796639402
Option 2 ID : 70796639403
Option 3 ID : 70796639404
Option 4 ID : 70796639401
Status : Answered
Chosen Option : 2

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

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

Question ID : 7079669829
Option 1 ID : 70796639314
Option 2 ID : 70796639315
Option 3 ID : 70796639313
Option 4 ID : 70796639316
Status : Answered
Chosen Option : 4

Q.8 Paracetamol is found in first-aid boxes. When/why should these drugs be taken?

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

Question ID : 7079669842
Option 1 ID : 70796639366
Option 2 ID : 70796639367
Option 3 ID : 70796639365
Option 4 ID : 70796639368
Status : Answered
Chosen Option : 4

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

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

 4. 2.5

Question ID : 7079669837
Option 1 ID : 70796639348
Option 2 ID : 70796639345
Option 3 ID : 70796639346
Option 4 ID : 70796639347
Status : Answered
Chosen Option : 2

Q.1 In an engineering drawing, which letters written on the dimension indicates that it is extra information and NOT really required?

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

Question ID : 7079669823
Option 1 ID : 70796639291
Option 2 ID : 70796639292
Option 3 ID : 70796639289
Option 4 ID : 70796639290
Status : Not Answered
Chosen Option : --

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

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

Question ID : 7079669828
Option 1 ID : 70796639311
Option 2 ID : 70796639312
Option 3 ID : 70796639309
Option 4 ID : 70796639310
Status : Answered
Chosen Option : 4

Q.1 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 what does P \$ Q * R # S mean?

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

Question ID : 7079669884
Option 1 ID : 70796639535
Option 2 ID : 70796639536
Option 3 ID : 70796639533
Option 4 ID : 70796639534

Status : **Answered**
Chosen Option : 2

Q.1
3 Find the third proportional to 24 and 60.

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

Question ID : 7079669857
Option 1 ID : 70796639426
Option 2 ID : 70796639427
Option 3 ID : 70796639428
Option 4 ID : 70796639425
Status : **Not Answered**
Chosen Option : --

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

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

Question ID : 7079669876
Option 1 ID : 70796639501
Option 2 ID : 70796639504
Option 3 ID : 70796639502
Option 4 ID : 70796639503
Status : **Not Answered**
Chosen Option : --

Q.1
5 Breathing in about 900 parts of _____ in a million parts of air for a short time causes fatigue, dizziness, and headache.

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

Question ID : 7079669819
Option 1 ID : 70796639274
Option 2 ID : 70796639273
Option 3 ID : 70796639275
Option 4 ID : 70796639276
Status : **Answered**
Chosen Option : 1

Q.1
6

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

Question ID : 7079669888
Option 1 ID : 70796639549
Option 2 ID : 70796639550
Option 3 ID : 70796639552
Option 4 ID : 70796639551
Status : Answered
Chosen Option : 2

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

Question ID : 7079669889
Option 1 ID : 70796639556
Option 2 ID : 70796639553
Option 3 ID : 70796639555
Option 4 ID : 70796639554
Status : Answered
Chosen Option : 2

Q.1 Two litres of superheated water at 190°C is mixed with six litres of cold water at 20°C. Find the final equilibrium temperature (in °C) if no heat is lost.

- Ans
- ☒ 1. 55
 - ☒ 2. 47.5

- ☒ 3. 95
☒ 4. 62.5

Question ID : 7079669841
Option 1 ID : 70796639363
Option 2 ID : 70796639362
Option 3 ID : 70796639364
Option 4 ID : 70796639361
Status : Answered
Chosen Option : 4

Q.1
9 Which of the following is NOT a derived unit?

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

Question ID : 7079669826
Option 1 ID : 70796639301
Option 2 ID : 70796639302
Option 3 ID : 70796639303
Option 4 ID : 70796639304
Status : Answered
Chosen Option : 4

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

- Ans ☒ 1. Santoor
☒ 2. Sarod
☒ 3. Sitar
☒ 4. Flute

Question ID : 7079669809
Option 1 ID : 70796639234
Option 2 ID : 70796639233
Option 3 ID : 70796639235
Option 4 ID : 70796639236
Status : Answered
Chosen Option : 3

Q.2
1 A block of metal of mass 500 g has a relative density of 2.5. What will be its apparent mass when it is fully immersed in water?

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

Question ID : 7079669839
Option 1 ID : 70796639353
Option 2 ID : 70796639355

Option 3 ID : 70796639354
Option 4 ID : 70796639356
Status : Not Answered
Chosen Option : --

Q.2 In an artificial language, 'terake' means 'motherland', 'lorake' means 'mother tongue' and 'loroli' means 'long tongue'.

2 Which word would mean 'long jump' in that language?

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

Question ID : 7079669881
Option 1 ID : 70796639523
Option 2 ID : 70796639524
Option 3 ID : 70796639522
Option 4 ID : 70796639521
Status : Not Answered
Chosen Option : --

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

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

Question ID : 7079669859
Option 1 ID : 70796639433
Option 2 ID : 70796639435
Option 3 ID : 70796639436
Option 4 ID : 70796639434
Status : Not Answered
Chosen Option : --

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

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

Question ID : 7079669836
Option 1 ID : 70796639344
Option 2 ID : 70796639343
Option 3 ID : 70796639341
Option 4 ID : 70796639342
Status : Answered
Chosen Option : 3

Q.2 Choose the word that is different from the rest.

5

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

Question ID : 7079669892

Option 1 ID : 70796639565

Option 2 ID : 70796639568

Option 3 ID : 70796639567

Option 4 ID : 70796639566

Status : Answered

Chosen Option : 2

Q.2 Find the efficiency of a pump (rated 400 W) that can lift 500 kg of water by 30 m in 10 minutes. (Use $g = 10\text{m/s}^2$)
6

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

Question ID : 7079669811

Option 1 ID : 70796639241

Option 2 ID : 70796639243

Option 3 ID : 70796639242

Option 4 ID : 70796639244

Status : Not Answered

Chosen Option : --

Q.2 Henry Cavendish discovered _____ in 1766.
7

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

Question ID : 7079669805

Option 1 ID : 70796639220

Option 2 ID : 70796639219

Option 3 ID : 70796639218

Option 4 ID : 70796639217

Status : Not Answered

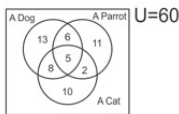
Chosen Option : --

Q.2 Find the mass (in g) of a copper calorimeter if its temperature rises by 45° when it absorbs 3.6 kJ of heat. The specific
8 heat capacity of copper is $0.4\text{ Jg}^{-1}\text{K}^{-1}$.

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

Question ID : 7079669833
Option 1 ID : 70796639329
Option 2 ID : 70796639332
Option 3 ID : 70796639331
Option 4 ID : 70796639330
Status : Not Answered
Chosen Option : --

Q.2 The given Venn diagram shows the pet(s) that each house in a society has. How many houses have only two pets?
9



- Ans
- ☒ 1. 15
 - ☒ 2. 16
 - ☒ 3. 21
 - ☒ 4. 5

Question ID : 7079669887
Option 1 ID : 70796639548
Option 2 ID : 70796639546
Option 3 ID : 70796639547
Option 4 ID : 70796639545
Status : Answered
Chosen Option : 2

Q.3 _____ is India's sole National Issuing & Guaranteeing Association for ATA Carnets (also known as 'Passport for
0 Goods').

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

Question ID : 7079669803
Option 1 ID : 70796639212
Option 2 ID : 70796639210
Option 3 ID : 70796639209
Option 4 ID : 70796639211
Status : Not Answered
Chosen Option : --

Q.3 Henry per meter is the unit of _____.
1

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

Question ID : 7079669827
Option 1 ID : 70796639308
Option 2 ID : 70796639305

Option 3 ID : 70796639307
Option 4 ID : 70796639306
Status : Answered
Chosen Option : 1

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

2

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

Question ID : 7079669843
Option 1 ID : 70796639371
Option 2 ID : 70796639372
Option 3 ID : 70796639370
Option 4 ID : 70796639369
Status : Answered
Chosen Option : 2

Q.3 Which of the following gives the correct relation between power 'P', resistance 'R' and charge 'Q' flowing through a wire in 't' seconds?

3

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

Question ID : 7079669814
Option 1 ID : 70796639253
Option 2 ID : 70796639255
Option 3 ID : 70796639254
Option 4 ID : 70796639256
Status : Answered
Chosen Option : 3

Q.3 Solve the following.

4

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

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

Question ID : 7079669872
Option 1 ID : 70796639485
Option 2 ID : 70796639487
Option 3 ID : 70796639488
Option 4 ID : 70796639486
Status : Answered
Chosen Option : 4

Q.3 5 Two resistors of $R \Omega$ and 15Ω are connected in parallel to get an effective resistance of 12Ω . Find R .

- Ans ☒ 1. 60
☒ 2. 45
☒ 3. 30
☒ 4. 75

Question ID : 7079669835
Option 1 ID : 70796639339
Option 2 ID : 70796639338
Option 3 ID : 70796639337
Option 4 ID : 70796639340
Status : Answered
Chosen Option : 1

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

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

Question ID : 7079669846
Option 1 ID : 70796639382
Option 2 ID : 70796639383
Option 3 ID : 70796639384
Option 4 ID : 70796639381
Status : Answered
Chosen Option : 3

Q.3 7 If 1,200 J of work is done in pushing a trolley by 20 m, what was the force (in N) employed?

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

Question ID : 7079669817
Option 1 ID : 70796639267
Option 2 ID : 70796639266
Option 3 ID : 70796639268
Option 4 ID : 70796639265
Status : Answered
Chosen Option : 2

Q.3 8 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. 99
☒ 2. 108
☒ 3. 117
☒ 4. 126

Question ID : 7079669831
Option 1 ID : 70796639321
Option 2 ID : 70796639323
Option 3 ID : 70796639322
Option 4 ID : 70796639324
Status : Not Answered
Chosen Option : --

Q.3 A pilgrim starts from her house to visit various places. She walks 13 km towards the east, then turns towards the north 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. 16 km south
 - ☒ 2. 5 km north
 - ☒ 3. 5 km south
 - ☒ 4. 16 km north

Question ID : 7079669893
Option 1 ID : 70796639571
Option 2 ID : 70796639572
Option 3 ID : 70796639569
Option 4 ID : 70796639570
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. ACDB
 - ☒ 3. ACBD
 - ☒ 4. CADB

Question ID : 7079669898
Option 1 ID : 70796639589
Option 2 ID : 70796639592
Option 3 ID : 70796639591
Option 4 ID : 70796639590
Status : Answered
Chosen Option : 1

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

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

Question ID : 7079669875
Option 1 ID : 70796639499
Option 2 ID : 70796639497
Option 3 ID : 70796639500
Option 4 ID : 70796639498

Status : Answered
Chosen Option : 3

Q.4
2 If $a^2 + b^2 = 53$ and $ab = 14$, then find the value of $a + b$.

- Ans
- ☒ 1. 5
 - ☒ 2. 12
 - ☒ 3. 9
 - ☒ 4. 15

Question ID : 7079669868
Option 1 ID : 70796639471
Option 2 ID : 70796639472
Option 3 ID : 70796639470
Option 4 ID : 70796639469

Status : Answered
Chosen Option : 3

Q.4
3 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 : 7079669854
Option 1 ID : 70796639416
Option 2 ID : 70796639414
Option 3 ID : 70796639413
Option 4 ID : 70796639415

Status : Answered
Chosen Option : 3

Q.4
4 The sum of binary numbers 1100100 and 1101110 is _____.

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

Question ID : 7079669852
Option 1 ID : 70796639408
Option 2 ID : 70796639406
Option 3 ID : 70796639407
Option 4 ID : 70796639405

Status : Answered
Chosen Option : 2

Q.4 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
5 (in km/h) to travel the same distance in 40 min?

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

Question ID : 7079669863
Option 1 ID : 70796639450
Option 2 ID : 70796639452
Option 3 ID : 70796639451
Option 4 ID : 70796639449
Status : Answered
Chosen Option : 4

Q.4 The notation 2xØ6 means _____.
6

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

Question ID : 7079669815
Option 1 ID : 70796639260
Option 2 ID : 70796639259
Option 3 ID : 70796639257
Option 4 ID : 70796639258
Status : Answered
Chosen Option : 2

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.
7 Find the number.

- Ans
- ☒ 1. 1008
 - ☒ 2. 1260
 - ☒ 3. 1344
 - ☒ 4. 1680

Question ID : 7079669855
Option 1 ID : 70796639419
Option 2 ID : 70796639418
Option 3 ID : 70796639420
Option 4 ID : 70796639417
Status : Answered
Chosen Option : 2

Q.4 The Directive Principles of State Policy in India's Constitution are borrowed from the constitution of _____.
8

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

 4. Germany

Question ID : 7079669801
Option 1 ID : 70796639202
Option 2 ID : 70796639201
Option 3 ID : 70796639204
Option 4 ID : 70796639203
Status : Answered
Chosen Option : 2

Q.4 The total surface area of a cuboid is 236 cm^2 . Its length is 8 cm and height is 6 cm. Find its breadth (in cm).

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

Question ID : 7079669860
Option 1 ID : 70796639437
Option 2 ID : 70796639438
Option 3 ID : 70796639439
Option 4 ID : 70796639440
Status : Answered
Chosen Option : 4

Q.5 If $\sin \theta = 12/13$, then find the value of $2\cot \theta + 13\cos \theta$.

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

Question ID : 7079669870
Option 1 ID : 70796639480
Option 2 ID : 70796639479
Option 3 ID : 70796639477
Option 4 ID : 70796639478
Status : Answered
Chosen Option : 2

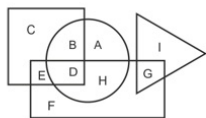
Q.5 1° Celsius = 167 Fahrenheit

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

Question ID : 7079669845
Option 1 ID : 70796639377
Option 2 ID : 70796639379
Option 3 ID : 70796639378
Option 4 ID : 70796639380
Status : Answered

Chosen Option : 1

Q.5 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?



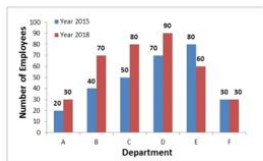
- Ans ☒ 1. EF
☒ 2. I
☒ 3. C
☒ 4. A

Question ID : 7079669886
Option 1 ID : 70796639544
Option 2 ID : 70796639542
Option 3 ID : 70796639541
Option 4 ID : 70796639543

Status : Answered

Chosen Option : 1

Q.5 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. 10%
☒ 2. 20%
☒ 3. 17.5%
☒ 4. 12.5%

Question ID : 7079669895
Option 1 ID : 70796639577
Option 2 ID : 70796639580
Option 3 ID : 70796639579
Option 4 ID : 70796639578

Status : Not Answered

Chosen Option : --

Q.5 The specific latent heat of fusion of ethyl alcohol is 100 Jg^{-1} . Find the heat absorbed (in J) by 2.25 g of ethyl alcohol when it melts at its melting point of -114°C .

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

Question ID : 7079669813

Option 1 ID : 70796639252
Option 2 ID : 70796639251
Option 3 ID : 70796639249
Option 4 ID : 70796639250
Status : Not Answered
Chosen Option : --

Q.5 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 Jkg⁻¹K⁻¹.

- Ans
- 1. 200 Jkg⁻¹K⁻¹
 - 2. 125 JK⁻¹
 - 3. 1,250 JK⁻¹
 - 4. 20 Jkg⁻¹K⁻¹

Question ID : 7079669832
Option 1 ID : 70796639326
Option 2 ID : 70796639327
Option 3 ID : 70796639325
Option 4 ID : 70796639328
Status : Not Answered
Chosen Option : --

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 : 7079669849
Option 1 ID : 70796639394
Option 2 ID : 70796639393
Option 3 ID : 70796639396
Option 4 ID : 70796639395
Status : Answered
Chosen Option : 2

Q.5 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. Neither assumption I nor II is implicit.
 - 2. Both assumptions I and II are implicit.
 - 3. Only assumption I is implicit.

✓ 4. Only assumption II is implicit.

Question ID : 7079669894
Option 1 ID : 70796639575
Option 2 ID : 70796639576
Option 3 ID : 70796639573
Option 4 ID : 70796639574
Status : Answered
Chosen Option : 1

Q.5 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. 14
 - ✗ 3. 16
 - ✗ 4. 20

Question ID : 7079669840
Option 1 ID : 70796639359
Option 2 ID : 70796639358
Option 3 ID : 70796639357
Option 4 ID : 70796639360
Status : Answered
Chosen Option : 2

Q.5 Find the value of:

$$16 - (25\% \text{ of } (14 \times 10 \div 35 + 12 \times 10 \div 15))$$

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

Question ID : 7079669853
Option 1 ID : 70796639410
Option 2 ID : 70796639412
Option 3 ID : 70796639409
Option 4 ID : 70796639411
Status : Answered
Chosen Option : 2

Q.6 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 the same task?

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

Question ID : 7079669861
Option 1 ID : 70796639443
Option 2 ID : 70796639441
Option 3 ID : 70796639444

Option 4 ID : 70796639442
Status : Answered
Chosen Option : 1

Q.6 Which of the following classes of chemicals can damage the ozone layer?

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

Question ID : 7079669848
Option 1 ID : 70796639392
Option 2 ID : 70796639390
Option 3 ID : 70796639391
Option 4 ID : 70796639389
Status : Answered
Chosen Option : 1

Q.6 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?

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

Question ID : 7079669864
Option 1 ID : 70796639453
Option 2 ID : 70796639456
Option 3 ID : 70796639455
Option 4 ID : 70796639454
Status : Answered
Chosen Option : 4

Q.6 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 combination of these boxes?

- 3
- Ans ☐ 1. 20
☒ 2. 21
☐ 3. 23
☐ 4. 15

Question ID : 7079669899
Option 1 ID : 70796639594
Option 2 ID : 70796639595
Option 3 ID : 70796639596
Option 4 ID : 70796639593
Status : Answered
Chosen Option : 2

Q.6 The hotel Taj Lake Palace, built in the middle of Lake Pichola, is in which city?

4

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

Question ID : 7079669808
Option 1 ID : 70796639229
Option 2 ID : 70796639230
Option 3 ID : 70796639231
Option 4 ID : 70796639232
Status : Answered
Chosen Option : 3

Q.6 In a certain gear train, the driver has 24 teeth while the follower has 8 teeth. For every _____ turns of the driver, the
5 follower turns 36 times.

- Ans ☐ 1. 9
☐ 2. 10
☒ 3. 12
☐ 4. 4

Question ID : 7079669818
Option 1 ID : 70796639272
Option 2 ID : 70796639271
Option 3 ID : 70796639270
Option 4 ID : 70796639269
Status : Answered
Chosen Option : 3

Q.6 Two numbers are 10% and 20% less than a third number. By what percentage should the second number be increased to
6 make it equal to the first number?

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

Question ID : 7079669858
Option 1 ID : 70796639432
Option 2 ID : 70796639431
Option 3 ID : 70796639429
Option 4 ID : 70796639430
Status : Answered
Chosen Option : 2

Q.6 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
7 is in equilibrium?

- Ans ☐ 1. At the 45 cm mark
☐ 2. At the 5 cm mark
☐ 3. At the 25 cm mark
☒ 4. At the 95 cm mark

Question ID : 7079669822

Option 1 ID : 70796639285

Option 2 ID : 70796639286

Option 3 ID : 70796639287

Option 4 ID : 70796639288

Status : Not Answered

Chosen Option : --

Q.6 A _____ projection is an oblique projection in which the depth of the object is shown in full size.

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

Question ID : 7079669825

Option 1 ID : 70796639297

Option 2 ID : 70796639300

Option 3 ID : 70796639299

Option 4 ID : 70796639298

Status : Answered

Chosen Option : 1

Q.6 Find the least common multiple of 56 and 50.

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

Question ID : 7079669856

Option 1 ID : 70796639423

Option 2 ID : 70796639424

Option 3 ID : 70796639421

Option 4 ID : 70796639422

Status : Answered

Chosen Option : 1

Q.7 Find the missing number in the given series.

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

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

Question ID : 7079669879

Option 1 ID : 70796639515

Option 2 ID : 70796639516

Option 3 ID : 70796639513

Option 4 ID : 70796639514

Status : Answered
Chosen Option : 2

Q.7 In a certain code, EXACT is written as 91685 and MILK is written as 7243. Using the same code, MELT will be written
1 as _____.

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

Question ID : 7079669880
Option 1 ID : 70796639518
Option 2 ID : 70796639520
Option 3 ID : 70796639519
Option 4 ID : 70796639517
Status : Answered
Chosen Option : 2

Q.7 A truck travels 450 km in two and a half hours. Find its speed in m/s.
2

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

Question ID : 7079669844
Option 1 ID : 70796639376
Option 2 ID : 70796639374
Option 3 ID : 70796639375
Option 4 ID : 70796639373
Status : Answered
Chosen Option : 1

Q.7 Find the mass (in kg) of kerosene filled up to the brim in a tank of dimensions $5\text{ m} \times 2\text{ m} \times 1\text{ m}$. (Density of kerosene is
3 800 kg/m^3)

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

Question ID : 7079669816
Option 1 ID : 70796639264
Option 2 ID : 70796639261
Option 3 ID : 70796639262
Option 4 ID : 70796639263
Status : Answered
Chosen Option : 4

Q.7 The area of A0 size paper is _____.
4

- Ans
- ☒ 1. 100 cm^2

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

Question ID : 7079669812

Option 1 ID : 70796639246

Option 2 ID : 70796639247

Option 3 ID : 70796639245

Option 4 ID : 70796639248

Status : Answered

Chosen Option : 3

Q.7 5 Choose the figure that is different from the rest.

Ans

☒ 1.

Q	M	R
X	H	O
K	W	P

☒ 2.

K	W	Q
R	O	P
I	M	X

☒ 3.

H	X	P
O	R	K
W	Q	M

☒ 4.

P	O	R
M	W	K
H	X	Q

Question ID : 7079669890

Option 1 ID : 70796639557

Option 2 ID : 70796639558

Option 3 ID : 70796639559
Option 4 ID : 70796639560
Status : Not Answered
Chosen Option : --

Q.7 6 Which of the following nations is NOT a permanent member of the United Nations Security Council?

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

Question ID : 7079669802
Option 1 ID : 70796639206
Option 2 ID : 70796639205
Option 3 ID : 70796639207
Option 4 ID : 70796639208
Status : Answered
Chosen Option : 2

Q.7 7 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. Sphere
 - ☒ 3. Night
 - ☒ 4. Stars

Question ID : 7079669877
Option 1 ID : 70796639505
Option 2 ID : 70796639506
Option 3 ID : 70796639507
Option 4 ID : 70796639508
Status : Answered
Chosen Option : 2

Q.7 8 Who was the captain of the IPL team Chennai Super Kings, in 2018?

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

Question ID : 7079669807
Option 1 ID : 70796639226
Option 2 ID : 70796639225
Option 3 ID : 70796639228
Option 4 ID : 70796639227
Status : Answered
Chosen Option : 1

Q.7 9 A _____ diagram is a schematic drawing that shows the relationships in a system, using simple shapes for the entities.

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

Question ID : 7079669824
Option 1 ID : 70796639294
Option 2 ID : 70796639296
Option 3 ID : 70796639293
Option 4 ID : 70796639295
Status : Answered
Chosen Option : 1

Q.8 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. 80
 - ☒ 3. 40
 - ☒ 4. 64

Question ID : 7079669830
Option 1 ID : 70796639318
Option 2 ID : 70796639320
Option 3 ID : 70796639319
Option 4 ID : 70796639317
Status : Not Answered
Chosen Option : --

Q.8 Moore's Law is a rule of thumb stated by Intel co-founder Gordon Moore that the number of transistors on a chip doubles every _____ months.

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

Question ID : 7079669820
Option 1 ID : 70796639277
Option 2 ID : 70796639279
Option 3 ID : 70796639278
Option 4 ID : 70796639280
Status : Not Answered
Chosen Option : --

Q.8 Find the slope of the line joining the points (3,-4) and (5,2).

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

Question ID : 7079669869

Option 1 ID : 70796639475

Option 2 ID : 70796639476

Option 3 ID : 70796639474

Option 4 ID : 70796639473

Status : Answered

Chosen Option : 1

Q.8
3 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-in-law of C.
 - ☒ 2. D is the mother of C.
 - ☒ 3. D is the sister of C.
 - ☒ 4. D is the daughter of C.

Question ID : 7079669885

Option 1 ID : 70796639540

Option 2 ID : 70796639537

Option 3 ID : 70796639538

Option 4 ID : 70796639539

Status : Answered

Chosen Option : 2

Q.8
4 Choose the letter cluster that is different from the rest.

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

Question ID : 7079669891

Option 1 ID : 70796639562

Option 2 ID : 70796639561

Option 3 ID : 70796639564

Option 4 ID : 70796639563

Status : Answered

Chosen Option : 3

Q.8
5 Which of the following folk dances is from Himachal Pradesh?

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

Question ID : 7079669810

Option 1 ID : 70796639237

Option 2 ID : 70796639239

Option 3 ID : 70796639238

Option 4 ID : 70796639240

Status : Answered

Chosen Option : 2

Q.8 6 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. 33.33%
 - ☒ 2. 25%
 - ☒ 3. 20%
 - ☒ 4. 16.67%

Question ID : 7079669896
Option 1 ID : 70796639584
Option 2 ID : 70796639581
Option 3 ID : 70796639582
Option 4 ID : 70796639583
Status : Not Answered
Chosen Option : --

Q.8 7 Name the celebrity who has authored 'Mrs. Funnybones'?

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

Question ID : 7079669806
Option 1 ID : 70796639221
Option 2 ID : 70796639223
Option 3 ID : 70796639224
Option 4 ID : 70796639222
Status : Answered
Chosen Option : 4

Q.8 8 Select the set of letters that when sequentially placed in the gaps of the given letter series will complete the series logically.

a _yz _bx _zc _cx _z

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

Question ID : 7079669878
Option 1 ID : 70796639511
Option 2 ID : 70796639510
Option 3 ID : 70796639509
Option 4 ID : 70796639512
Status : Answered
Chosen Option : 4

Q.8 9 If $14 \# 2 = 80$, $10 \# 4 = 70$ and $20 \# 6 = 130$, then find the value of $8 \# 12$.

- Ans
- ☒ 1. 100
 - ☒ 2. 2

☒ 3. 10

☒ 4. 4

Question ID : 7079669883

Option 1 ID : 70796639532

Option 2 ID : 70796639530

Option 3 ID : 70796639531

Option 4 ID : 70796639529

Status : Answered

Chosen Option : 1

Q.9 Which element is mostly provided by grains, nuts and chocolates in our diet?

Ans ☒ 1. Zinc

☒ 2. Iodine

☒ 3. Chloride

☒ 4. Copper

Question ID : 7079669847

Option 1 ID : 70796639385

Option 2 ID : 70796639386

Option 3 ID : 70796639387

Option 4 ID : 70796639388

Status : Answered

Chosen Option : 2

Q.9 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. ZYX

☒ 2. ZXY

☒ 3. YXZ

☒ 4. XZY

Question ID : 7079669897

Option 1 ID : 70796639585

Option 2 ID : 70796639588

Option 3 ID : 70796639587

Option 4 ID : 70796639586

Status : Answered

Chosen Option : 2

Q.9 Acceleration due to gravity on Jupiter is two and a half times that on earth. How much would a 250 kg satellite weigh

2 (in N) on Jupiter? (acceleration due to gravity on earth = 10m/s^2)

Ans ☒ 1. 6,250

☒ 2. 625

☒ 3. 10

☒ 4. 100

Question ID : 7079669821
Option 1 ID : 70796639283
Option 2 ID : 70796639282
Option 3 ID : 70796639284
Option 4 ID : 70796639281
Status : Answered
Chosen Option : 1

Q.9 If '+' represents 'x', '÷' represents '+', '-' represents '÷' and 'x' represents '-', then find the value of the following expression.

3

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

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

Question ID : 7079669882
Option 1 ID : 70796639528
Option 2 ID : 70796639527
Option 3 ID : 70796639526
Option 4 ID : 70796639525
Status : Answered
Chosen Option : 1

Q.9 What is the angle between the hour hand and the minute hand of a clock at quarter past three?

4

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

Question ID : 7079669874
Option 1 ID : 70796639495
Option 2 ID : 70796639493
Option 3 ID : 70796639496
Option 4 ID : 70796639494
Status : Answered
Chosen Option : 1

Q.9 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?

5

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

Question ID : 7079669862
Option 1 ID : 70796639447
Option 2 ID : 70796639448
Option 3 ID : 70796639446
Option 4 ID : 70796639445
Status : Answered
Chosen Option : 2

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

- Ans
- ☒ 1. 12
 - ☒ 2. 11
 - ☒ 3. 13
 - ☒ 4. 10

Question ID : 7079669871
Option 1 ID : 70796639481
Option 2 ID : 70796639482
Option 3 ID : 70796639484
Option 4 ID : 70796639483
Status : Answered
Chosen Option : 3

Q.9 Which Dadasaheb Phalke Award recipient produced and directed India's first colour film, 'Sairandhri'?

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

Question ID : 7079669804
Option 1 ID : 70796639214
Option 2 ID : 70796639216
Option 3 ID : 70796639215
Option 4 ID : 70796639213
Status : Not Answered
Chosen Option : --

Q.9 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 : 7079669838
Option 1 ID : 70796639351
Option 2 ID : 70796639349
Option 3 ID : 70796639350
Option 4 ID : 70796639352
Status : Answered
Chosen Option : 4

Q.9 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 the mother's present age (in years).

- Ans
- ☒ 1. 52
 - ☒ 2. 56
 - ☒ 3. 48

✓ 4. 40

Question ID : 7079669873

Option 1 ID : 70796639492

Option 2 ID : 70796639491

Option 3 ID : 70796639489

Option 4 ID : 70796639490

Status : Answered

Chosen Option : 4

Q.1 00 A/An _____ is an interface on a computer to which you can connect a device.

Ans ✗ 1. dongle

✓ 2. port

✗ 3. array

✗ 4. anime

Question ID : 7079669850

Option 1 ID : 70796639400

Option 2 ID : 70796639399

Option 3 ID : 70796639398

Option 4 ID : 70796639397

Status : Answered

Chosen Option : 3

Section : Heat Engine

Q.1 In petrol engine, fuel and air mix together in the

Ans ✗ 1. Inlet port

✗ 2. Combustion chamber

✓ 3. Carburetor

✗ 4. Injector

Question ID : 7079669910

Option 1 ID : 70796639640

Option 2 ID : 70796639639

Option 3 ID : 70796639637

Option 4 ID : 70796639638

Status : Answered

Chosen Option : 3

Q.2 Hydraulic oil seals are used

Ans ✗ 1. To increase friction

✓ 2. To prevent leakages

✗ 3. To prevent vibrations

✗ 4. To avoid friction

Question ID : 7079669968

Option 1 ID : 70796639871

Option 2 ID : 70796639870

Option 3 ID : 70796639869

Option 4 ID : 70796639872

Status : Answered

Chosen Option : 4

Q.3 Where is the Spark plug clearance set?

Ans ☒ 1. Between Centre rod and ground electrode

☒ 2. Between Porcelain and centre electrode

☒ 3. Between Porcelain and ground electrode

☒ 4. Between Terminal and centre electrode

Question ID : 7079669959

Option 1 ID : 70796639834

Option 2 ID : 70796639833

Option 3 ID : 70796639835

Option 4 ID : 70796639836

Status : Not Answered

Chosen Option : --

Q.4 Connecting rod small end is connected to the -

Ans ☒ 1. Cylinder head

☒ 2. Crankshaft

☒ 3. Piston

☒ 4. Cylinder block

Question ID : 7079669958

Option 1 ID : 70796639829

Option 2 ID : 70796639832

Option 3 ID : 70796639831

Option 4 ID : 70796639830

Status : Answered

Chosen Option : 2

Q.5 Galvanized copper is coated with-

Ans ☒ 1. Gold

☒ 2. Zinc

☒ 3. Bronze

☒ 4. Copper

Question ID : 7079669949

Option 1 ID : 70796639793

Option 2 ID : 70796639794

Option 3 ID : 70796639796

Option 4 ID : 70796639795

Status : Answered

Chosen Option : 2

Q.6 The dial bore gauge graduations are marked in both clockwise and anti-clockwise direction to measure

- Ans ☒ 1. Deviation
☐ 2. Tolerance
☐ 3. Allowance
☐ 4. Dimension

Question ID : 7079669911
Option 1 ID : 70796639644
Option 2 ID : 70796639641
Option 3 ID : 70796639643
Option 4 ID : 70796639642
Status : Not Answered
Chosen Option : --

Q.7 The acker man steering layout is designed for -

- Ans ☐ 1. Accident prevention
☐ 2. Turning steering angles
☒ 3. Reducing load on the king pins and stub axles
☐ 4. The driver to feel a head position

Question ID : 7079669920
Option 1 ID : 70796639677
Option 2 ID : 70796639680
Option 3 ID : 70796639679
Option 4 ID : 70796639678
Status : Answered
Chosen Option : 2

Q.8 The latest material used for manufacturing the radiator tubes is -

- Ans ☐ 1. Cast iron
☐ 2. Copper
☐ 3. Aluminium
☒ 4. Brass

Question ID : 7079669929
Option 1 ID : 70796639713
Option 2 ID : 70796639716
Option 3 ID : 70796639714
Option 4 ID : 70796639715
Status : Answered
Chosen Option : 3

Q.9 To what is the depth measuring part of vernier caliper attached?

- Ans ☐ 1. Vernier scale
☐ 2. Fixed legs
☐ 3. Movable legs

✓ 4. Fine adjustment screw

Question ID : 7079669905

Option 1 ID : 70796639619

Option 2 ID : 70796639617

Option 3 ID : 70796639618

Option 4 ID : 70796639620

Status : Answered

Chosen Option : 1

Q.1
0 The surface plates are used -

- Ans
- ✗ 1. To measure thickness
 - ✗ 2. To measure width
 - ✓ 3. To measure flatness
 - ✗ 4. To measure height

Question ID : 7079669904

Option 1 ID : 70796639616

Option 2 ID : 70796639615

Option 3 ID : 70796639613

Option 4 ID : 70796639614

Status : Answered

Chosen Option : 3

Q.1
1 The most commonly used valve-actuating mechanism in modern cars is

- Ans
- ✗ 1. Electrical mechanism
 - ✓ 2. Overhead valve mechanism
 - ✗ 3. Overhead inlet and side exhaust valve mechanism
 - ✗ 4. Side valve mechanism

Question ID : 7079669916

Option 1 ID : 70796639664

Option 2 ID : 70796639662

Option 3 ID : 70796639663

Option 4 ID : 70796639661

Status : Answered

Chosen Option : 3

Q.1
2 In heavy vehicles, the suspension springs provided on rear wheels are-

- Ans
- ✓ 1. Leaf spring
 - ✗ 2. Torsion bar
 - ✗ 3. Coil springs
 - ✗ 4. Shock absorber

Question ID : 7079669963

Option 1 ID : 70796639851

Option 2 ID : 70796639850

Option 3 ID : 70796639849

Option 4 ID : 70796639852

Status : **Answered**
Chosen Option : 1

Q.1
3 To increase output voltage, battery cells are connected in

- Ans
- ☒ 1. Counter-parallel
 - ☒ 2. Parallel
 - ☒ 3. Series
 - ☒ 4. Series-parallel

Question ID : 7079669932
Option 1 ID : 70796639728
Option 2 ID : 70796639726
Option 3 ID : 70796639725
Option 4 ID : 70796639727
Status : **Not Answered**
Chosen Option : --

Q.1
4 What does the Ackerman steering gear consists of?

- Ans
- ☒ 1. Rolling and sliding Pairs
 - ☒ 2. Sliding Pairs
 - ☒ 3. Sliding and rotary Pairs
 - ☒ 4. Turning Pairs

Question ID : 7079669964
Option 1 ID : 70796639854
Option 2 ID : 70796639856
Option 3 ID : 70796639853
Option 4 ID : 70796639855
Status : **Not Answered**
Chosen Option : --

Q.1
5 What is the term used for the opening and closing of valves in relation to piston movement?

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

Question ID : 7079669974
Option 1 ID : 70796639895
Option 2 ID : 70796639896
Option 3 ID : 70796639894
Option 4 ID : 70796639893
Status : **Answered**
Chosen Option : 4

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

Ans

- ☒ 1. Land
- ☒ 2. Skirt
- ☒ 3. Crown
- ☒ 4. Ring section

Question ID : 7079669913

Option 1 ID : 70796639651

Option 2 ID : 70796639650

Option 3 ID : 70796639649

Option 4 ID : 70796639652

Status : Answered

Chosen Option : 3

Q.1
7 Oil rings are used to scrap excessive oil from the bore. The oil ring gap is in the range of-

- Ans
- ☒ 1. 30.0 mm – 90.0 mm
 - ☒ 2. 3.0 mm – 9.0 mm
 - ☒ 3. 0.03 mm – 0.09 mm
 - ☒ 4. 0.3 mm – 0.9 mm

Question ID : 7079669908

Option 1 ID : 70796639632

Option 2 ID : 70796639631

Option 3 ID : 70796639629

Option 4 ID : 70796639630

Status : Not Answered

Chosen Option : --

Q.1
8 The energy stored in the flywheel is in the form of-

- Ans
- ☒ 1. Electrical energy
 - ☒ 2. Potential energy
 - ☒ 3. Kinetic energy
 - ☒ 4. Heat energy

Question ID : 7079669914

Option 1 ID : 70796639656

Option 2 ID : 70796639653

Option 3 ID : 70796639654

Option 4 ID : 70796639655

Status : Answered

Chosen Option : 3

Q.1
9 Which of these is used to lift the vehicle when it is taken for a water service?

- Ans
- ☒ 1. Hatchet support
 - ☒ 2. Round support
 - ☒ 3. Half-moon support
 - ☒ 4. Horse shoe support

Question ID : 7079669971

Option 1 ID : 70796639881

Option 2 ID : 70796639883

Option 3 ID : 70796639882

Option 4 ID : 70796639884

Status : Not Answered

Chosen Option : --

Q.2
0 A triangle file is used for -

- Ans
- ☒ 1. Rough cutting
 - ☒ 2. Fine cutting
 - ☒ 3. Groove cutting
 - ☒ 4. Flat finishing

Question ID : 7079669903

Option 1 ID : 70796639611

Option 2 ID : 70796639612

Option 3 ID : 70796639610

Option 4 ID : 70796639609

Status : Answered

Chosen Option : 3

Q.2
1 A two-stroke engine has ports in the

- Ans
- ☒ 1. Crankcase
 - ☒ 2. Piston
 - ☒ 3. Piston rings
 - ☒ 4. Cylinder walls

Question ID : 7079669940

Option 1 ID : 70796639760

Option 2 ID : 70796639757

Option 3 ID : 70796639759

Option 4 ID : 70796639758

Status : Not Answered

Chosen Option : --

Q.2
2 When Brake is applied the kinetic energy of a body is converted into -

- Ans
- ☒ 1. Mechanical energy
 - ☒ 2. Potential energy
 - ☒ 3. Electrical energy
 - ☒ 4. Chemical energy

Question ID : 7079669924

Option 1 ID : 70796639696

Option 2 ID : 70796639694

Option 3 ID : 70796639693

Option 4 ID : 70796639695

Status : Answered
Chosen Option : 1

Q.2
3 The engine valves are closed by

- Ans
- ☒ 1. Valve springs
 - ☐ 2. Crankshaft
 - ☐ 3. Timing device
 - ☐ 4. Camshaft

Question ID : 7079669975
Option 1 ID : 70796639900
Option 2 ID : 70796639897
Option 3 ID : 70796639899
Option 4 ID : 70796639898
Status : Answered
Chosen Option : 1

Q.2
4 The instrument used to measure crank journal diameter is

- Ans
- ☐ 1. Vernier caliper
 - ☒ 2. Outside micrometer
 - ☐ 3. Inside micrometer
 - ☐ 4. Bore dial gauge

Question ID : 7079669953
Option 1 ID : 70796639810
Option 2 ID : 70796639809
Option 3 ID : 70796639811
Option 4 ID : 70796639812
Status : Answered
Chosen Option : 4

Q.2
5 In brazing, which property of filler metal makes it flow in small clearances?

- Ans
- ☐ 1. Viscosity
 - ☐ 2. Melting point
 - ☐ 3. Density
 - ☒ 4. Capillarity

Question ID : 7079669907
Option 1 ID : 70796639625
Option 2 ID : 70796639627
Option 3 ID : 70796639626
Option 4 ID : 70796639628
Status : Answered
Chosen Option : 4

Q.2
6 The principle of a radiator of an engine cooling system is to

Ans

- ☒ 1. Spread out the hot water over a large area
- ☒ 2. Act as a reservoir for the water
- ☒ 3. Cause a heat flow by convection current
- ☒ 4. Increase the air speed as it flows over the hot surface

Question ID : 7079669946
Option 1 ID : 70796639783
Option 2 ID : 70796639781
Option 3 ID : 70796639782
Option 4 ID : 70796639784
Status : Answered
Chosen Option : 2

Q.2
7 What is the percentage of lead found in composition of soft solder?

- Ans ☒ 1. Lead – 60%,
- ☒ 2. Lead – 37%,
- ☒ 3. Lead – 63%,
- ☒ 4. Lead – 50%,

Question ID : 7079669936
Option 1 ID : 70796639744
Option 2 ID : 70796639741
Option 3 ID : 70796639743
Option 4 ID : 70796639742
Status : Answered
Chosen Option : 3

Q.2
8 Scriber is used for-

- Ans ☒ 1. Drilling
- ☒ 2. Marking lines
- ☒ 3. Scrapping
- ☒ 4. Punching

Question ID : 7079669902
Option 1 ID : 70796639608
Option 2 ID : 70796639606
Option 3 ID : 70796639605
Option 4 ID : 70796639607
Status : Answered
Chosen Option : 2

Q.2
9 Taper roller bearing is used for-

- Ans ☒ 1. Rear axles
- ☒ 2. Gear box
- ☒ 3. Propeller shaft

☒ 4. Differential

Question ID : 7079669926
Option 1 ID : 70796639702
Option 2 ID : 70796639701
Option 3 ID : 70796639704
Option 4 ID : 70796639703
Status : Answered
Chosen Option : 4

Q.3
0 Which of these is the best way to clean an oily floor?

- Ans ☒ 1. By Putting water
☒ 2. By using Cotton waste
☒ 3. By using Bleaching powder
☒ 4. By Putting saw dust

Question ID : 7079669965
Option 1 ID : 70796639858
Option 2 ID : 70796639857
Option 3 ID : 70796639860
Option 4 ID : 70796639859
Status : Answered
Chosen Option : 4

Q.3
1 Which type of clutch is used in two wheelers?

- Ans ☒ 1. Multi plate
☒ 2. Diaphragm
☒ 3. Centrifugal
☒ 4. Single plate

Question ID : 7079669956
Option 1 ID : 70796639822
Option 2 ID : 70796639823
Option 3 ID : 70796639824
Option 4 ID : 70796639821
Status : Answered
Chosen Option : 1

Q.3
2 Which hammer is used in sheet metal work?

- Ans ☒ 1. Cross peen hammer
☒ 2. Wooden mallet
☒ 3. Copper mallet
☒ 4. Straight peen hammer

Question ID : 7079669906
Option 1 ID : 70796639622
Option 2 ID : 70796639621

Option 3 ID : 70796639624

Option 4 ID : 70796639623

Status : Answered

Chosen Option : 2

Q.3
3 Braking is produced by the frictional contact between the brake drum and

- Ans
- ☒ 1. Brake shoe return spring
 - ☒ 2. Wheel cylinders piston
 - ☒ 3. Expanding cam
 - ☒ 4. Brake shoes

Question ID : 7079669923

Option 1 ID : 70796639692

Option 2 ID : 70796639691

Option 3 ID : 70796639690

Option 4 ID : 70796639689

Status : Answered

Chosen Option : 4

Q.3
4 While starting an engine, the starter motor pinion engages with-

- Ans
- ☒ 1. Engine crankshaft
 - ☒ 2. Differential sun gear
 - ☒ 3. Flywheel ring gear
 - ☒ 4. Gear box

Question ID : 7079669955

Option 1 ID : 70796639817

Option 2 ID : 70796639820

Option 3 ID : 70796639819

Option 4 ID : 70796639818

Status : Not Answered

Chosen Option : --

Q.3
5 Engine starts but does not run in idle speed because

- Ans
- ☒ 1. Excess air in inlet manifold
 - ☒ 2. Improper idle speed setting
 - ☒ 3. Heavy noise in the engine
 - ☒ 4. Hunting of the engine

Question ID : 7079669912

Option 1 ID : 70796639645

Option 2 ID : 70796639646

Option 3 ID : 70796639648

Option 4 ID : 70796639647

Status : Answered

Chosen Option : 1

Q.3

6 The symbol used for indicating lead peroxide is -

- Ans ☒ 1. PbO_2
☒ 2. PbO_3
☒ 3. P_4O_{12}
☒ 4. P_4O_{10}

Question ID : 7079669938
Option 1 ID : 70796639749
Option 2 ID : 70796639751
Option 3 ID : 70796639752
Option 4 ID : 70796639750
Status : Not Answered
Chosen Option : --

Q.3
7 When there is an air lock in fuel line, it leads to -

- Ans ☒ 1. Uneven Engine idling speed
☒ 2. Excess delivery from FI pump
☒ 3. Late starting of the engine
☒ 4. High Injector pressure

Question ID : 7079669961
Option 1 ID : 70796639844
Option 2 ID : 70796639842
Option 3 ID : 70796639841
Option 4 ID : 70796639843
Status : Answered
Chosen Option : 1

Q.3
8 Which type of roller bearing supports the load acting along the axis of the shaft?

- Ans ☒ 1. Radial
☒ 2. Thrust
☒ 3. Longitudinal
☒ 4. Vertical

Question ID : 7079669966
Option 1 ID : 70796639862
Option 2 ID : 70796639861
Option 3 ID : 70796639863
Option 4 ID : 70796639864
Status : Answered
Chosen Option : 2

Q.3
9 What is brazing filler rod made up of?

- Ans ☒ 1. Iron
☒ 2. Tin
☒ 3. Brass

☒ 4. Lead

Question ID : 7079669934
Option 1 ID : 70796639733
Option 2 ID : 70796639735
Option 3 ID : 70796639734
Option 4 ID : 70796639736
Status : Answered
Chosen Option : 3

Q.4
0 The reason for the front wheel of tractor being smaller than the rear wheel is -

- Ans
- ☒ 1. Decreasing turning angle
 - ☒ 2. More pull off load
 - ☒ 3. Increasing turning angle
 - ☒ 4. Sharp turning

Question ID : 7079669962
Option 1 ID : 70796639848
Option 2 ID : 70796639845
Option 3 ID : 70796639846
Option 4 ID : 70796639847
Status : Not Answered
Chosen Option : --

Q.4
1 Which of the Snip cutters given below is used for cutting the sheet?

- Ans
- ☒ 1. Straight snip
 - ☒ 2. Round snip
 - ☒ 3. Flat snip
 - ☒ 4. Bent snip

Question ID : 7079669950
Option 1 ID : 70796639799
Option 2 ID : 70796639798
Option 3 ID : 70796639797
Option 4 ID : 70796639800
Status : Answered
Chosen Option : 1

Q.4
2 In diesel engine the fuel is ignited by

- Ans
- ☒ 1. Spark plug
 - ☒ 2. Virtue of temperature of compressed air
 - ☒ 3. A glow plug
 - ☒ 4. An injector

Question ID : 7079669945
Option 1 ID : 70796639778
Option 2 ID : 70796639780

Option 3 ID : 70796639777
Option 4 ID : 70796639779
Status : Answered
Chosen Option : 2

Q.4
3 The colour code used for hose pipe for oxygen line is _____

- Ans
- ☒ 1. Red
 - ☒ 2. Brown
 - ☒ 3. Black
 - ☒ 4. Maroon

Question ID : 7079669937
Option 1 ID : 70796639747
Option 2 ID : 70796639748
Option 3 ID : 70796639745
Option 4 ID : 70796639746
Status : Answered
Chosen Option : 3

Q.4
4 During suction stroke, the charge drawn in a petrol engine is

- Ans
- ☒ 1. Air only
 - ☒ 2. Petrol, air, methane
 - ☒ 3. Air and petrol mixture
 - ☒ 4. Petrol only

Question ID : 7079669909
Option 1 ID : 70796639634
Option 2 ID : 70796639636
Option 3 ID : 70796639635
Option 4 ID : 70796639633
Status : Answered
Chosen Option : 3

Q.4
5 Which transmission unit helps in providing a smooth take off for the vehicle?

- Ans
- ☒ 1. Gear box
 - ☒ 2. Clutch
 - ☒ 3. Load gear
 - ☒ 4. Differential

Question ID : 7079669967
Option 1 ID : 70796639865
Option 2 ID : 70796639866
Option 3 ID : 70796639867
Option 4 ID : 70796639868
Status : Answered
Chosen Option : 4

Q.4
6 Based on the system of ignition used, diesel engine is also called

- Ans
- ☒ 1. Air ignition engine
 - ☒ 2. Self-ignition engine
 - ☒ 3. Compression ignition engine
 - ☒ 4. Airless ignition engine

Question ID : 7079669944
Option 1 ID : 70796639775
Option 2 ID : 70796639774
Option 3 ID : 70796639773
Option 4 ID : 70796639776
Status : Answered
Chosen Option : 3

Q.4
7 Which one of the following conductors is used in bulbs?

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

Question ID : 7079669935
Option 1 ID : 70796639738
Option 2 ID : 70796639737
Option 3 ID : 70796639740
Option 4 ID : 70796639739
Status : Answered
Chosen Option : 2

Q.4
8 The wheel alignment of Toe-in and toe-out are related to

- Ans
- ☒ 1. Rear axle of tractor
 - ☒ 2. Tractor steering
 - ☒ 3. Front axle of tractor
 - ☒ 4. Tractor engine

Question ID : 7079669921
Option 1 ID : 70796639682
Option 2 ID : 70796639683
Option 3 ID : 70796639681
Option 4 ID : 70796639684
Status : Answered
Chosen Option : 3

Q.4
9 Which of these safety equipment has to be used while working with heat engines?

- Ans
- ☒ 1. Goggles
 - ☒ 2. Apron
 - ☒ 3. Disposable gloves
 - ☒ 4. Overall coat

Question ID : 7079669901
Option 1 ID : 70796639602
Option 2 ID : 70796639603
Option 3 ID : 70796639604
Option 4 ID : 70796639601
Status : Not Answered
Chosen Option : --

Q.5
0 The oil sump in an engine is made up of

- Ans ☒ 1. Steel or aluminum
☒ 2. Steel or brass
☒ 3. Cast iron or tin
☒ 4. Cast iron or brass

Question ID : 7079669952
Option 1 ID : 70796639805
Option 2 ID : 70796639806
Option 3 ID : 70796639808
Option 4 ID : 70796639807
Status : Not Answered
Chosen Option : --

Q.5
1 Oil bath air cleaner is serviced

- Ans ☒ 1. After every 2000 km
☒ 2. After every 3000 km
☒ 3. After every 5000 km
☒ 4. After every 4000 km

Question ID : 7079669947
Option 1 ID : 70796639785
Option 2 ID : 70796639786
Option 3 ID : 70796639788
Option 4 ID : 70796639787
Status : Not Answered
Chosen Option : --

Q.5
2 Ohm's law is not applicable to

- Ans ☒ 1. DC circuits
☒ 2. Small resistors
☒ 3. High currents
☒ 4. Semi-conductors

Question ID : 7079669930
Option 1 ID : 70796639717
Option 2 ID : 70796639719
Option 3 ID : 70796639718
Option 4 ID : 70796639720
Status : Answered

Chosen Option : 4

Q.5
3 A fuse in an electrical circuit blows as a result of a high

- Ans
- ☒ 1. Voltage caused by a closed circuit
 - ☒ 2. Current flow caused by a closed circuit
 - ☒ 3. Voltage caused by a short circuit
 - ☒ 4. Current flow caused by a short circuit

Question ID : 7079669970

Option 1 ID : 70796639879

Option 2 ID : 70796639880

Option 3 ID : 70796639877

Option 4 ID : 70796639878

Status : Answered

Chosen Option : 3

Q.5
4 Which of these blows off the fuse?

- Ans
- ☒ 1. Heating
 - ☒ 2. Melting
 - ☒ 3. Arcing
 - ☒ 4. Burning

Question ID : 7079669931

Option 1 ID : 70796639724

Option 2 ID : 70796639723

Option 3 ID : 70796639721

Option 4 ID : 70796639722

Status : Answered

Chosen Option : 2

Q.5
5 A mechanism used to control the speed of an engine is called

- Ans
- ☒ 1. Governor
 - ☒ 2. Odometer
 - ☒ 3. Speedometer
 - ☒ 4. Regulator

Question ID : 7079669948

Option 1 ID : 70796639790

Option 2 ID : 70796639791

Option 3 ID : 70796639792

Option 4 ID : 70796639789

Status : Answered

Chosen Option : 1

Q.5
6 One of these is not an exhaust valve face angle. Identify

- Ans
- ☒ 1. 75°

- ☒ 2. 60°
- ☒ 3. 30°
- ☒ 4. 45°

Question ID : 7079669957
Option 1 ID : 70796639828
Option 2 ID : 70796639827
Option 3 ID : 70796639825
Option 4 ID : 70796639826
Status : Answered
Chosen Option : 3

Q.5
7 A differential gear in an automobile is not found in -

- Ans
- ☒ 1. Tractor
 - ☒ 2. Bus
 - ☒ 3. Auto
 - ☒ 4. Car

Question ID : 7079669928
Option 1 ID : 70796639711
Option 2 ID : 70796639712
Option 3 ID : 70796639709
Option 4 ID : 70796639710
Status : Answered
Chosen Option : 3

Q.5
8 Leaf spring absorbs shocks by

- Ans
- ☒ 1. Expanding
 - ☒ 2. Bending
 - ☒ 3. Compression
 - ☒ 4. Twisting

Question ID : 7079669919
Option 1 ID : 70796639676
Option 2 ID : 70796639673
Option 3 ID : 70796639675
Option 4 ID : 70796639674
Status : Answered
Chosen Option : 1

Q.5
9 Wheel base of a vehicle is the

- Ans
- ☒ 1. Distance between the front tyres
 - ☒ 2. Distance between the rear tyres
 - ☒ 3. Distance between the front and rear axle
 - ☒ 4. Total length of the vehicle

Question ID : 7079669917
Option 1 ID : 70796639665
Option 2 ID : 70796639668
Option 3 ID : 70796639666
Option 4 ID : 70796639667

Status : Answered
Chosen Option : 3

Q.6 Substances through which internal electric charges do not flow freely and very little electric current will flow through it
0 under the influence of an electric field are known as -

- Ans
- ☒ 1. Capacitors
 - ☒ 2. Conductors
 - ☒ 3. Insulators
 - ☒ 4. Resistors

Question ID : 7079669933
Option 1 ID : 70796639731
Option 2 ID : 70796639732
Option 3 ID : 70796639730
Option 4 ID : 70796639729

Status : Answered
Chosen Option : 4

Q.6 What is the material used in making cylinder head?
1

- Ans
- ☒ 1. Tin
 - ☒ 2. Chromium
 - ☒ 3. Bronze
 - ☒ 4. Cast iron or aluminum

Question ID : 7079669954
Option 1 ID : 70796639816
Option 2 ID : 70796639815
Option 3 ID : 70796639814
Option 4 ID : 70796639813

Status : Not Answered
Chosen Option : --

Q.6 The most commonly used valve in an automobile engine is -
2

- Ans
- ☒ 1. Sleeve valve
 - ☒ 2. Spring valve
 - ☒ 3. Rotary valve
 - ☒ 4. Poppet valve

Question ID : 7079669943
Option 1 ID : 70796639770
Option 2 ID : 70796639772
Option 3 ID : 70796639771
Option 4 ID : 70796639769

Status : Not Answered
Chosen Option : --

Q.6
3 In a transmission system, the power transmits from engine to _____

- Ans
- ☒ 1. Gear box
 - ☐ 2. Axle
 - ☐ 3. Differential
 - ☐ 4. Clutch

Question ID : 7079669927
Option 1 ID : 70796639706
Option 2 ID : 70796639708
Option 3 ID : 70796639705
Option 4 ID : 70796639707
Status : Answered
Chosen Option : 1

Q.6
4 Why is the inlet valve bigger in diameter?

- Ans
- ☐ 1. To send out gases
 - ☐ 2. To suck the air
 - ☒ 3. To increase the air velocity
 - ☐ 4. To decrease the air velocity

Question ID : 7079669925
Option 1 ID : 70796639699
Option 2 ID : 70796639700
Option 3 ID : 70796639698
Option 4 ID : 70796639697
Status : Answered
Chosen Option : 2

Q.6
5 The purpose of caster angle is to give a trailing effect to the-

- Ans
- ☐ 1. Inner wheels
 - ☒ 2. Front wheels
 - ☐ 3. Rear wheels
 - ☐ 4. Outer wheels

Question ID : 7079669922
Option 1 ID : 70796639687
Option 2 ID : 70796639685
Option 3 ID : 70796639686
Option 4 ID : 70796639688
Status : Answered
Chosen Option : 2

Q.6
6 The fuel consumption is high during -

- Ans
- ☐ 1. Neutral
 - ☐ 2. 2 gear
 - ☒ 3. 1 gear

☒ 4. 3 gear

Question ID : 7079669960
Option 1 ID : 70796639837
Option 2 ID : 70796639839
Option 3 ID : 70796639838
Option 4 ID : 70796639840
Status : Answered
Chosen Option : 4

Q.6
7 Which part lies between the engine shaft and gear box?

- Ans ☒ 1. Clutch
☒ 2. Flywheel
☒ 3. Differential
☒ 4. Propeller shaft

Question ID : 7079669915
Option 1 ID : 70796639658
Option 2 ID : 70796639659
Option 3 ID : 70796639657
Option 4 ID : 70796639660
Status : Answered
Chosen Option : 1

Q.6
8 The stroke of an engine is

- Ans ☒ 1. Volume of the cylinder
☒ 2. Length of the connecting rod
☒ 3. Inside diameter of the cylinder
☒ 4. Movement of the piston from T.D.C to B.D.C

Question ID : 7079669939
Option 1 ID : 70796639755
Option 2 ID : 70796639756
Option 3 ID : 70796639753
Option 4 ID : 70796639754
Status : Answered
Chosen Option : 4

Q.6
9 What is the material used to make crankshaft?

- Ans ☒ 1. Cast iron
☒ 2. Mild steel
☒ 3. Forging steel
☒ 4. Grey cast iron

Question ID : 7079669972
Option 1 ID : 70796639885
Option 2 ID : 70796639886

Option 3 ID : 70796639887
Option 4 ID : 70796639888
Status : Answered
Chosen Option : 1

Q.7
0 What is the process used to make a Cylinder blocks?

- Ans
- ☒ 1. Forging
 - ☒ 2. Die casting
 - ☒ 3. Centrifugal casting
 - ☒ 4. Hollow casting

Question ID : 7079669973
Option 1 ID : 70796639892
Option 2 ID : 70796639889
Option 3 ID : 70796639891
Option 4 ID : 70796639890
Status : Answered
Chosen Option : 4

Q.7
1 What is the impact when there is Blasting of the front tyre of any vehicle?

- Ans
- ☒ 1. Steering control is lost
 - ☒ 2. The engine slow down
 - ☒ 3. The engines picks up speed
 - ☒ 4. The engine stops

Question ID : 7079669918
Option 1 ID : 70796639669
Option 2 ID : 70796639672
Option 3 ID : 70796639671
Option 4 ID : 70796639670
Status : Answered
Chosen Option : 1

Q.7
2 On the rear end of a crankshaft is mounted

- Ans
- ☒ 1. Vibration damper
 - ☒ 2. Flywheel
 - ☒ 3. Timing sprocket
 - ☒ 4. Counterweight

Question ID : 7079669942
Option 1 ID : 70796639767
Option 2 ID : 70796639766
Option 3 ID : 70796639765
Option 4 ID : 70796639768
Status : Answered
Chosen Option : 4

Q.7
3 Which material is commonly used for making tubes?

- Ans
- ☐ 1. Synthetic rubber
 - ☐ 2. Natural rubber
 - ☒ 3. Butyl
 - ☐ 4. Asbestos

Question ID : 7079669969
Option 1 ID : 70796639875
Option 2 ID : 70796639874
Option 3 ID : 70796639873
Option 4 ID : 70796639876
Status : Answered
Chosen Option : 3

Q.7
4 The lubricating oil pumps is driven by

- Ans
- ☐ 1. Belt drive
 - ☐ 2. Rocker shaft
 - ☐ 3. Damper pulley
 - ☒ 4. Engine Camshaft

Question ID : 7079669941
Option 1 ID : 70796639762
Option 2 ID : 70796639764
Option 3 ID : 70796639763
Option 4 ID : 70796639761
Status : Not Answered
Chosen Option : --

Q.7
5 A conductor should have-

- Ans
- ☐ 1. Medium voltage
 - ☒ 2. Low specific resistance
 - ☐ 3. High specific resistance
 - ☐ 4. High voltage

Question ID : 7079669951
Option 1 ID : 70796639802
Option 2 ID : 70796639801
Option 3 ID : 70796639803
Option 4 ID : 70796639804
Status : Answered
Chosen Option : 2