



RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

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

Roll No:	www.exammix.com
Participants Name:	
Test Center Name:	iON Digital Zone iDZ 2 Sector 62
Test Date:	23/01/2019
Test Time:	12:30 PM - 3:00 PM
Subject:	Part A and Exam Trade : Mechanic Diesel

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

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

Question ID : 7079669475
 Option 1 ID : 70796637899
 Option 2 ID : 70796637897
 Option 3 ID : 70796637898
 Option 4 ID : 70796637900
 Status : Not Answered
 Chosen Option : --

Q.2 A _____ diagram is a schematic drawing that shows the relationships in a system, using simple shapes for the entities.

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

Question ID : 7079669474
 Option 1 ID : 70796637893
 Option 2 ID : 70796637894
 Option 3 ID : 70796637895
 Option 4 ID : 70796637896
 Status : Answered
 Chosen Option : 3

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

- Ans
- ☒ 1. 25
 - ☐ 2. 15
 - ☐ 3. 20

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✗ 4. 40

Question ID : 7079669512
 Option 1 ID : 70796638048
 Option 2 ID : 70796638046
 Option 3 ID : 70796638045
 Option 4 ID : 70796638047
 Status : Answered
 Chosen Option : 1

Q.4 One statement is given followed by two assumptions labelled I and II. You have to consider the statement to be true, even if it seems to be at variance with commonly known facts, and decide which of the given assumptions is/are implicit in the given statement.

Statement:

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

Assumptions:

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

Ans ✓ 1. Only assumption II is implicit.

✗ 2. Neither assumption I nor II is implicit.

✗ 3. Both assumptions I and II are implicit.

✗ 4. Only assumption I is implicit.

Question ID : 7079669544
 Option 1 ID : 70796638174
 Option 2 ID : 70796638175
 Option 3 ID : 70796638176
 Option 4 ID : 70796638173
 Status : Answered
 Chosen Option : 1

Q.5 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 south

✗ 3. 16 km north

✓ 4. 5 km north

Question ID : 7079669543
 Option 1 ID : 70796638171
 Option 2 ID : 70796638169
 Option 3 ID : 70796638170
 Option 4 ID : 70796638172
 Status : Answered
 Chosen Option : 4

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

Ans ✗ 1. 84.00%

✗ 2. 92.00%

✓ 3. 62.50%

✗ 4. 77.50%

Question ID : 7079669461
 Option 1 ID : 70796637841

Option 2 ID : 70796637844
 Option 3 ID : 70796637843
 Option 4 ID : 70796637842
 Status : Answered
 Chosen Option : 3

Q.7 Acceleration due to gravity on Jupiter is two and a half times that on earth. How much would a 250 kg satellite weigh (in N) on Jupiter? (acceleration due to gravity on earth = 10m/s^2)

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

Question ID : 7079669471
 Option 1 ID : 70796637884
 Option 2 ID : 70796637882
 Option 3 ID : 70796637881
 Option 4 ID : 70796637883
 Status : Answered
 Chosen Option : 2

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

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

Question ID : 7079669486
 Option 1 ID : 70796637944
 Option 2 ID : 70796637943
 Option 3 ID : 70796637942
 Option 4 ID : 70796637941
 Status : Answered
 Chosen Option : 4

Q.9 The total surface area of a cuboid is 236 cm^2 . Its length is 8 cm and height is 6 cm. Find its breadth (in cm).

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

Question ID : 7079669510
 Option 1 ID : 70796638040
 Option 2 ID : 70796638037
 Option 3 ID : 70796638039
 Option 4 ID : 70796638038
 Status : Answered
 Chosen Option : 1

Q.1
0 Solve the following.

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

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

✓ 4. 0.8

Question ID : 7079669522
 Option 1 ID : 70796638086
 Option 2 ID : 70796638087
 Option 3 ID : 70796638088
 Option 4 ID : 70796638085
 Status : Answered
 Chosen Option : 4

Q.1
1 What is the area (in cm^2) of a regular hexagon of side 10 cm?

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

Question ID : 7079669509
 Option 1 ID : 70796638033
 Option 2 ID : 70796638034
 Option 3 ID : 70796638035
 Option 4 ID : 70796638036
 Status : Answered
 Chosen Option : 2

Q.1
2 In a certain gear train, the driver has 24 teeth while the follower has 8 teeth. For every _____ turns of the driver, the follower turns 36 times.

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

Question ID : 7079669468
 Option 1 ID : 70796637871
 Option 2 ID : 70796637870
 Option 3 ID : 70796637872
 Option 4 ID : 70796637869
 Status : Answered
 Chosen Option : 2

Q.1
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. 0.025
 - ✗ 2. 0.035
 - ✗ 3. 0.045
 - ✓ 4. 0.055

Question ID : 7079669504
 Option 1 ID : 70796638014
 Option 2 ID : 70796638016
 Option 3 ID : 70796638015
 Option 4 ID : 70796638013
 Status : Answered
 Chosen Option : 4

Q.1
4 What is the angle between the hour hand and the minute hand of a clock at quarter past three?

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

Question ID : 7079669524
 Option 1 ID : 70796638094
 Option 2 ID : 70796638093
 Option 3 ID : 70796638095
 Option 4 ID : 70796638096
 Status : Answered
 Chosen Option : 3

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

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

Question ID : 7079669517
 Option 1 ID : 70796638068
 Option 2 ID : 70796638067
 Option 3 ID : 70796638065
 Option 4 ID : 70796638066
 Status : Answered
 Chosen Option : 3

Q.1
6 Which of the following gives the correct relation between power 'P', resistance 'R' and charge 'Q' flowing through a wire in 't' seconds?

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

Question ID : 7079669464
 Option 1 ID : 70796637854
 Option 2 ID : 70796637856
 Option 3 ID : 70796637853
 Option 4 ID : 70796637855
 Status : Answered
 Chosen Option : 1

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

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

Question ID : 7079669488
 Option 1 ID : 70796637951
 Option 2 ID : 70796637949
 Option 3 ID : 70796637950
 Option 4 ID : 70796637952
 Status : Answered
 Chosen Option : 4

Q.1 पैरासिटामॉल, प्राथमिक चिकित्सा बक्से (फर्स्ट-एड बॉक्स) में मौजूद होती हैं। इन दवाओं को कब लिया जाना चाहिए?

8

Ans

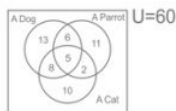
- ✓ 1. हल्के दर्द और तेज बुखार को कम करने के लिए।
- ✗ 2. अपच एवं सीने में जलन को कम करने के लिए
- ✗ 3. अस्थमा से राहत पाने के लिए
- ✗ 4.

परागज ज्वर (हे फीवर) और अन्य एलर्जी के लक्षणों को कम करने के लिए

Question ID : 7079669492
Option 1 ID : 70796637968
Option 2 ID : 70796637967
Option 3 ID : 70796637966
Option 4 ID : 70796637965
Status : Answered
Chosen Option : 1

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

9



Ans

- ✗ 1. 21
- ✗ 2. 5
- ✓ 3. 16
- ✗ 4. 15

Question ID : 7079669537
Option 1 ID : 70796638147
Option 2 ID : 70796638145
Option 3 ID : 70796638146
Option 4 ID : 70796638148
Status : Answered
Chosen Option : 3

Q.2 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

0

800 kg/m^3)

Ans

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

Question ID : 7079669466
Option 1 ID : 70796637863
Option 2 ID : 70796637862
Option 3 ID : 70796637861
Option 4 ID : 70796637864
Status : Answered
Chosen Option : 1

Q.2 The area of A0 size paper is _____.

1

Ans

- ✓ 1. $10,000\text{ cm}^2$
- ✗ 2. $1,000\text{ cm}^2$

☒ 3. 100 cm^2

☒ 4. 1 cm^2

Question ID : 7079669462

Option 1 ID : 70796637845

Option 2 ID : 70796637848

Option 3 ID : 70796637846

Option 4 ID : 70796637847

Status : Answered

Chosen Option : 3

Q.2 In a certain code, EXACT is written as 91685 and MILK is written as 7243. Using the same code, MELT will be written as _____.

Ans ☒ 1. 7945

☒ 2. 9285

☒ 3. 5384

☒ 4. 8794

Question ID : 7079669530

Option 1 ID : 70796638120

Option 2 ID : 70796638119

Option 3 ID : 70796638117

Option 4 ID : 70796638118

Status : Answered

Chosen Option : 1

Q.2 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. Sphere

☒ 2. Earth

☒ 3. Night

☒ 4. Stars

Question ID : 7079669527

Option 1 ID : 70796638106

Option 2 ID : 70796638105

Option 3 ID : 70796638107

Option 4 ID : 70796638108

Status : Answered

Chosen Option : 1

Q.2 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. 56

☒ 2. 40

☒ 3. 48

☒ 4. 52

Question ID : 7079669523

Option 1 ID : 70796638091

Option 2 ID : 70796638090

Option 3 ID : 70796638089

Option 4 ID : 70796638092

Status : Answered

Chosen Option : 2

Q.2

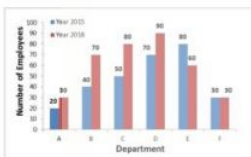
Downloaded from - www.exammix.com

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

- Ans
- ☒ 1. 4
 - ☒ 2. 100
 - ☒ 3. 10
 - ☒ 4. 2

Question ID : 7079669533
 Option 1 ID : 70796638129
 Option 2 ID : 70796638132
 Option 3 ID : 70796638131
 Option 4 ID : 70796638130
 Status : Answered
 Chosen Option : 2

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



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

Question ID : 7079669545
 Option 1 ID : 70796638177
 Option 2 ID : 70796638178
 Option 3 ID : 70796638179
 Option 4 ID : 70796638180
 Status : Answered
 Chosen Option : 2

Q.2 7 If $a^2 + b^2 = 53$ and $ab = 14$, then find the value of $a + b$.

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

Question ID : 7079669518
 Option 1 ID : 70796638071
 Option 2 ID : 70796638069
 Option 3 ID : 70796638072
 Option 4 ID : 70796638070
 Status : Answered
 Chosen Option : 4

Q.2 8 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. 25
 - ☒ 2. 15
 - ☒ 3. 20

✗ 4. 24

Question ID : 7079669525
Option 1 ID : 70796638098
Option 2 ID : 70796638097
Option 3 ID : 70796638100
Option 4 ID : 70796638099
Status : Answered
Chosen Option : 3

Q.2
9 Henry Cavendish discovered _____ in 1766.

- Ans ✓ 1. hydrogen
✗ 2. helium
✗ 3. chlorine
✗ 4. oxygen

Question ID : 7079669455
Option 1 ID : 70796637818
Option 2 ID : 70796637819
Option 3 ID : 70796637817
Option 4 ID : 70796637820
Status : Not Answered
Chosen Option : --

Q.3
0 Find the resistance of the wire (in k Ω) through which a 5 mA current flows when 500 V of potential difference is applied across it.

- Ans ✗ 1. 1,00,000
✗ 2. 2.5
✗ 3. 2,500
✓ 4. 100

Question ID : 7079669487
Option 1 ID : 70796637945
Option 2 ID : 70796637947
Option 3 ID : 70796637948
Option 4 ID : 70796637946
Status : Answered
Chosen Option : 4

Q.3
1 Which of the following is NOT a derived unit?

- Ans ✓ 1. Mole
✗ 2. Radian
✗ 3. Lumen
✗ 4. Volt

Question ID : 7079669476
Option 1 ID : 70796637904
Option 2 ID : 70796637901
Option 3 ID : 70796637902
Option 4 ID : 70796637903
Status : Answered
Chosen Option : 1

Q.3
2 Which element is mostly provided by grains, nuts and chocolates in our diet?

- Ans ✗ 1. Chloride

- ☒ 2. Iodine
☒ 3. Copper
☒ 4. Zinc

Question ID : 7079669497
 Option 1 ID : 70796637987
 Option 2 ID : 70796637986
 Option 3 ID : 70796637988
 Option 4 ID : 70796637985
 Status : Answered
 Chosen Option : 4

Q.3 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:
 3 Glue:: Brick : ?

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

Question ID : 7079669526
 Option 1 ID : 70796638102
 Option 2 ID : 70796638104
 Option 3 ID : 70796638101
 Option 4 ID : 70796638103
 Status : Answered
 Chosen Option : 3

Q.3 If a vendor sells a coconut at ₹32, he incurs a 20% loss. What is the cost price of the coconut?
 4

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

Question ID : 7079669515
 Option 1 ID : 70796638057
 Option 2 ID : 70796638058
 Option 3 ID : 70796638059
 Option 4 ID : 70796638060
 Status : Answered
 Chosen Option : 2

Q.3 Part of a sentence has been divided into three segments, which are jumbled up and given along with the unjumbled part.
 5 Rearrange the parts of the sentence in correct order.

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

- Ans ☒ 1. YXZ
☒ 2. ZYX
☒ 3. ZXY
☒ 4. XZY

Question ID : 7079669547
 Option 1 ID : 70796638187
 Option 2 ID : 70796638185
 Option 3 ID : 70796638188

Option 4 ID : 70796638186

Status : Answered

Chosen Option : 3

Q.3 In an engineering drawing, which letters written on the dimension indicates that it is extra information and NOT really required?

6

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

Question ID : 7079669473

Option 1 ID : 70796637890

Option 2 ID : 70796637889

Option 3 ID : 70796637891

Option 4 ID : 70796637892

Status : Not Answered

Chosen Option : --

Q.3 By cycling 7/9 times his usual speed, Anwar reaches his school 4 minutes late. How many minutes does Anwar take to reach school at his usual cycling speed?

7

- Ans ☒ 1. 14
☒ 2. 16
☒ 3. 18
☒ 4. 20

Question ID : 7079669490

Option 1 ID : 70796637958

Option 2 ID : 70796637957

Option 3 ID : 70796637959

Option 4 ID : 70796637960

Status : Answered

Chosen Option : 1

Q.3 A uniform meter scale weighs 50g. It is pivoted at the 70cm mark. Where should a 40 g mass be placed so that the scale is in equilibrium?

8

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

Question ID : 7079669472

Option 1 ID : 70796637888

Option 2 ID : 70796637885

Option 3 ID : 70796637887

Option 4 ID : 70796637886

Status : Not Answered

Chosen Option : --

Q.3 A statement is given, followed by two conclusions. Decide which of the given conclusions logically follow(s) from the given statement.

9

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.

I: Finding the Emotional Quotient of a candidate will give the hiring company extra useful information.

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

Question ID : 7079669550
Option 1 ID : 70796638199
Option 2 ID : 70796638200
Option 3 ID : 70796638198
Option 4 ID : 70796638197
Status : Answered
Chosen Option : 3

Q.4 If 1,200 J of work is done in pushing a trolley by 20 m, what was the force (in N) employed?

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

Question ID : 7079669467
Option 1 ID : 70796637866
Option 2 ID : 70796637865
Option 3 ID : 70796637868
Option 4 ID : 70796637867
Status : Answered
Chosen Option : 1

Q.4 Which of the following classes of chemicals can damage the ozone layer?

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

Question ID : 7079669498
Option 1 ID : 70796637992
Option 2 ID : 70796637989
Option 3 ID : 70796637990
Option 4 ID : 70796637991
Status : Answered
Chosen Option : 1

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

- Ans ☒ 1. 10
☒ 2. 11
☒ 3. 13
☒ 4. 12

Question ID : 7079669521
Option 1 ID : 70796638083
Option 2 ID : 70796638082
Option 3 ID : 70796638084
Option 4 ID : 70796638081
Status : Answered
Chosen Option : 3

Q.4
3 Which of the following is an example of a second class lever?

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

Question ID : 7079669496
Option 1 ID : 70796637983
Option 2 ID : 70796637981
Option 3 ID : 70796637984
Option 4 ID : 70796637982

Status : Answered
Chosen Option : 3

Q.4
4 C ने D से कहा, "तुम मेरी बहन के पति की सास हो।" D का C से क्या संबंध है?

- Ans
- ☒ 1. D, C की सास है।
 - ☒ 2. D, C की माँ है।
 - ☒ 3. D, C की बेटी है।
 - ☒ 4. D, C की बहन है।

Question ID : 7079669535
Option 1 ID : 70796638140
Option 2 ID : 70796638137
Option 3 ID : 70796638139
Option 4 ID : 70796638138

Status : Answered
Chosen Option : 2

Q.4
5 Find the mass (in g) of a copper calorimeter if its temperature rises by 45° when it absorbs 3.6 kJ of heat. The specific heat capacity of copper is $0.4 \text{ Jg}^{-1}\text{K}^{-1}$.

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

Question ID : 7079669483
Option 1 ID : 70796637931
Option 2 ID : 70796637930
Option 3 ID : 70796637929
Option 4 ID : 70796637932

Status : Answered
Chosen Option : 3

Q.4
6 Find the value of:

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

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

Question ID : 7079669503
 Option 1 ID : 70796638009
 Option 2 ID : 70796638011
 Option 3 ID : 70796638010
 Option 4 ID : 70796638012
 Status : Answered
 Chosen Option : 4

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

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

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

Question ID : 7079669529
 Option 1 ID : 70796638116
 Option 2 ID : 70796638113
 Option 3 ID : 70796638114
 Option 4 ID : 70796638115
 Status : Answered
 Chosen Option : 1

Q.4
8 A truck travels 450 km in two and a half hours. Find its speed in m/s.

- Ans ☒ 1. 50
☒ 2. 60
☒ 3. 75
☒ 4. 90

Question ID : 7079669494
 Option 1 ID : 70796637976
 Option 2 ID : 70796637973
 Option 3 ID : 70796637974
 Option 4 ID : 70796637975
 Status : Answered
 Chosen Option : 1

Q.4
9 Pie chart 1 shows the share of the four partners (A, B, C and D) in Company XYZ in the year 2017. In 2018, a fifth partner, E, was added by issuing 5000 shares to E (pie chart 2). The company has issued _____ shares more in 2018 than those in 2017.

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

Question ID : 7079669546
 Option 1 ID : 70796638181
 Option 2 ID : 70796638184
 Option 3 ID : 70796638182
 Option 4 ID : 70796638183
 Status : Not Answered
 Chosen Option : --

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

Ans

✗ 1.

P	O	R
M	W	K
H	X	Q

✗ 2.

Q	M	R
X	H	O
K	W	P

✗ 3.

H	X	P
O	R	K
W	Q	M

✓ 4.

K	W	Q
R	O	P
I	M	X

Question ID : 7079669540

Option 1 ID : 70796638160

Option 2 ID : 70796638157

Option 3 ID : 70796638159

Option 4 ID : 70796638158

Status : Answered

Chosen Option : 4

Q.5
1 Binary number 101110110 is equal to decimal number _____.

Ans ✗ 1. 326

✓ 2. 374

✗ 3. 412

✗ 4. 468

Question ID : 7079669501

Option 1 ID : 70796638001

Option 2 ID : 70796638003

Option 3 ID : 70796638002

Option 4 ID : 70796638004

Status : Not Answered

Chosen Option : --

Q.5

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2 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. 30
☒ 2. 24
☒ 3. 12
☒ 4. 18

Question ID : 7079669470

Option 1 ID : 70796637880

Option 2 ID : 70796637879

Option 3 ID : 70796637878

Option 4 ID : 70796637877

Status : Not Answered

Chosen Option : --

Q.5 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
 3 what does P \$ Q * R # S mean?

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

Question ID : 7079669534

Option 1 ID : 70796638134

Option 2 ID : 70796638133

Option 3 ID : 70796638136

Option 4 ID : 70796638135

Status : Answered

Chosen Option : 3

Q.5 If the compound interest received on a certain amount in the first year is ₹1,440, what will be the compound interest for
 4 the second year on the same principal at a 10% rate of interest?

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

Question ID : 7079669514

Option 1 ID : 70796638054

Option 2 ID : 70796638055

Option 3 ID : 70796638053

Option 4 ID : 70796638056

Status : Answered

Chosen Option : 1

Q.5 The notation 2xØ6 means _____.

- 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 : 7079669465

Option 1 ID : 70796637860

Option 2 ID : 70796637859

Option 3 ID : 70796637857
Option 4 ID : 70796637858
Status : Answered
Chosen Option : 4

Q.5 6 Which Dadasaheb Phalke Award recipient produced and directed India's first colour film, 'Sairandhri'?

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

Question ID : 7079669454
Option 1 ID : 70796637814
Option 2 ID : 70796637813
Option 3 ID : 70796637815
Option 4 ID : 70796637816
Status : Not Answered
Chosen Option : --

Q.5 7 Amit calculated $\frac{2}{5}$ th of a number instead of calculating $\frac{2}{15}$ th. His answer was greater than the correct answer by 336. Find the number.

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

Question ID : 7079669505
Option 1 ID : 70796638018
Option 2 ID : 70796638017
Option 3 ID : 70796638020
Option 4 ID : 70796638019
Status : Answered
Chosen Option : 1

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

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

Question ID : 7079669460
Option 1 ID : 70796637839
Option 2 ID : 70796637837
Option 3 ID : 70796637840
Option 4 ID : 70796637838
Status : Not Answered
Chosen Option : --

Q.5 9 Find the heat capacity of a steel vessel of mass 2.5 kg if its temperature rises by 10 degrees. Specific heat capacity of steel is $500 \text{ Jkg}^{-1}\text{K}^{-1}$.

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

✗ 4. 125 JK^{-1}

Question ID : 7079669482
Option 1 ID : 70796637925
Option 2 ID : 70796637928
Option 3 ID : 70796637926
Option 4 ID : 70796637927
Status : Answered
Chosen Option : 1

Q.6 Two resistors of $R \Omega$ and 15Ω are connected in parallel to get an effective resistance of 12Ω . Find R .

Ans ✗ 1. 75
✗ 2. 45
✓ 3. 60
✗ 4. 30

Question ID : 7079669485
Option 1 ID : 70796637940
Option 2 ID : 70796637938
Option 3 ID : 70796637939
Option 4 ID : 70796637937
Status : Answered
Chosen Option : 3

Q.6 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. 117
✓ 2. 108
✗ 3. 126
✗ 4. 99

Question ID : 7079669481
Option 1 ID : 70796637922
Option 2 ID : 70796637923
Option 3 ID : 70796637924
Option 4 ID : 70796637921
Status : Answered
Chosen Option : 2

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

Ans ✗ 1. 8%
✓ 2. 12.5%
✗ 3. 10%
✗ 4. 7.5%

Question ID : 7079669508
Option 1 ID : 70796638030
Option 2 ID : 70796638031
Option 3 ID : 70796638029
Option 4 ID : 70796638032
Status : Answered
Chosen Option : 2

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

Ans

- ✓ 1. Ireland
 ✗ 2. Germany
 ✗ 3. Canada
 ✗ 4. Britain

Question ID : 7079669451
 Option 1 ID : 70796637804
 Option 2 ID : 70796637803
 Option 3 ID : 70796637802
 Option 4 ID : 70796637801
 Status : Answered
 Chosen Option : 1

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

- Ans ✗ 1. 700
 ✗ 2. 1500
 ✗ 3. 800
 ✓ 4. 1400

Question ID : 7079669506
 Option 1 ID : 70796638021
 Option 2 ID : 70796638024
 Option 3 ID : 70796638022
 Option 4 ID : 70796638023
 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?

- Ans ✗ 1. 20
 ✓ 2. 21
 ✗ 3. 15
 ✗ 4. 23

Question ID : 7079669549
 Option 1 ID : 70796638194
 Option 2 ID : 70796638195
 Option 3 ID : 70796638193
 Option 4 ID : 70796638196
 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. 32
 ✓ 2. 16
 ✗ 3. 48
 ✗ 4. 40

Question ID : 7079669511
 Option 1 ID : 70796638042
 Option 2 ID : 70796638043
 Option 3 ID : 70796638041
 Option 4 ID : 70796638044
 Status : Answered
 Chosen Option : 2

Q.6
7 Name the celebrity who has authored 'Mrs. Funnybones'?

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

Question ID : 7079669456

Option 1 ID : 70796637824

Option 2 ID : 70796637822

Option 3 ID : 70796637821

Option 4 ID : 70796637823

Status : Answered

Chosen Option : 1

Q.6
8 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 $^{\circ}\text{C}$) if no heat is lost.

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

Question ID : 7079669491

Option 1 ID : 70796637962

Option 2 ID : 70796637964

Option 3 ID : 70796637963

Option 4 ID : 70796637961

Status : Answered

Chosen Option : 4

Q.6
9 Acceleration due to gravity is highest at ____.

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

Question ID : 7079669478

Option 1 ID : 70796637911

Option 2 ID : 70796637909

Option 3 ID : 70796637912

Option 4 ID : 70796637910

Status : Answered

Chosen Option : 4

Q.7
0 In this question, two statements are given, followed by three conclusions labelled I, II and III. You have to consider the statements to be true even if they seem to be at variance with commonly known facts, and decide which of the given conclusions, if any, follow(s) from the given statements.

Statements:

All mansions are palaces.

No castles are palaces.

Conclusions:

I: Some palaces are mansions.

II: Some castles are mansions.

III: No mansions are castles.

Ans

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

Question ID : 7079669539
 Option 1 ID : 70796638155
 Option 2 ID : 70796638153
 Option 3 ID : 70796638156
 Option 4 ID : 70796638154
 Status : Answered
 Chosen Option : 1

Q.7 If '+' represents '×', '÷' represents '+', '-' represents '÷' and 'x' represents '-', then find the value of the following expression.

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

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

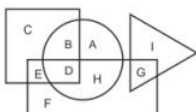
Question ID : 7079669532
 Option 1 ID : 70796638125
 Option 2 ID : 70796638127
 Option 3 ID : 70796638126
 Option 4 ID : 70796638128
 Status : Answered
 Chosen Option : 4

Q.7 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. nemoli
- ✗ 2. akezit
- ✗ 3. hudter
- ✗ 4. dibnol

Question ID : 7079669531
 Option 1 ID : 70796638121
 Option 2 ID : 70796638124
 Option 3 ID : 70796638123
 Option 4 ID : 70796638122
 Status : Answered
 Chosen Option : 1

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



- Ans ✗ 1. C
- ✗ 2. A
- ✗ 3. I
- ✓ 4. EF

Question ID : 7079669536
 Option 1 ID : 70796638141
 Option 2 ID : 70796638143
 Option 3 ID : 70796638142
 Option 4 ID : 70796638144
 Status : Answered
 Chosen Option : 4

Q.7 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. CADB
 - ☒ 2. ACDB
 - ☒ 3. CABD
 - ☒ 4. ACBD

Question ID : 7079669548
 Option 1 ID : 70796638190
 Option 2 ID : 70796638192
 Option 3 ID : 70796638189
 Option 4 ID : 70796638191
 Status : Answered
 Chosen Option : 3

Q.7 Classical musician Vilayat Khan is associated with which musical instrument?

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

Question ID : 7079669459
 Option 1 ID : 70796637834
 Option 2 ID : 70796637836
 Option 3 ID : 70796637833
 Option 4 ID : 70796637835
 Status : Not Answered
 Chosen Option : --

Q.7 Find the third proportional to 24 and 60.

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

Question ID : 7079669507
 Option 1 ID : 70796638025
 Option 2 ID : 70796638026
 Option 3 ID : 70796638027
 Option 4 ID : 70796638028
 Status : Answered
 Chosen Option : 2

Q.7 _____ are a subset of air pollution that refers to the tiny particles suspended everywhere in our atmosphere.

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

Question ID : 7079669499
 Option 1 ID : 70796637993
 Option 2 ID : 70796637994
 Option 3 ID : 70796637995
 Option 4 ID : 70796637996
 Status : Answered
 Chosen Option : 1

Q.7 If $\sin \theta = 12/13$, then find the value of $2\cot \theta + 13\cos \theta$.

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

Question ID : 7079669520
 Option 1 ID : 70796638079
 Option 2 ID : 70796638077
 Option 3 ID : 70796638078
 Option 4 ID : 70796638080
 Status : Answered
 Chosen Option : 1

Q.7 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. 156%
☒ 2. 40%
☒ 3. 144%
☒ 4. 48%

Question ID : 7079669516
 Option 1 ID : 70796638062
 Option 2 ID : 70796638061
 Option 3 ID : 70796638063
 Option 4 ID : 70796638064
 Status : Answered
 Chosen Option : 1

Q.8 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 : 7079669489
 Option 1 ID : 70796637953
 Option 2 ID : 70796637955
 Option 3 ID : 70796637954

Option 4 ID : 70796637956

Status : Answered

Chosen Option : 1

Q.8
1 The hotel Taj Lake Palace, built in the middle of Lake Pichola, is in which city?

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

Question ID : 7079669458

Option 1 ID : 70796637830

Option 2 ID : 70796637831

Option 3 ID : 70796637832

Option 4 ID : 70796637829

Status : Not Answered

Chosen Option : --

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

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

Question ID : 7079669541

Option 1 ID : 70796638161

Option 2 ID : 70796638163

Option 3 ID : 70796638162

Option 4 ID : 70796638164

Status : Answered

Chosen Option : 4

Q.8
3 The _____ across the ends of a resistor is directly proportional to the current through it, provided its temperature remains the same.

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

Question ID : 7079669484

Option 1 ID : 70796637936

Option 2 ID : 70796637934

Option 3 ID : 70796637935

Option 4 ID : 70796637933

Status : Answered

Chosen Option : 3

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

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

Question ID : **7079669457**
 Option 1 ID : **70796637826**
 Option 2 ID : **70796637827**
 Option 3 ID : **70796637828**
 Option 4 ID : **70796637825**
 Status : **Answered**
 Chosen Option : **1**

Q.8 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. 311
☒ 2. 45
☒ 3. 225
☒ 4. 100

Question ID : **7079669463**
 Option 1 ID : **70796637850**
 Option 2 ID : **70796637849**
 Option 3 ID : **70796637851**
 Option 4 ID : **70796637852**
 Status : **Answered**
 Chosen Option : **3**

Q.8 A boy of 50 kg is riding a scooter of 100 kg mass at a speed of $v \text{ m/s}$. Find v (in m/s) if the kinetic energy of the scooter and the boy is 76.8 kJ.

Ans ☒ 1. 80
☒ 2. 32
☒ 3. 40
☒ 4. 64

Question ID : **7079669480**
 Option 1 ID : **70796637920**
 Option 2 ID : **70796637918**
 Option 3 ID : **70796637919**
 Option 4 ID : **70796637917**
 Status : **Answered**
 Chosen Option : **2**

Q.8 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. 800
☒ 2. 8,000
☒ 3. 3,000
☒ 4. 300

Question ID : **7079669479**
 Option 1 ID : **70796637916**
 Option 2 ID : **70796637913**
 Option 3 ID : **70796637914**
 Option 4 ID : **70796637915**
 Status : **Answered**
 Chosen Option : **1**

Q.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. xbycy
 ✗ 2. xybcy
 ✗ 3. yxbcz
 ✗ 4. xybcz

Question ID : 7079669528
 Option 1 ID : 70796638112
 Option 2 ID : 70796638109
 Option 3 ID : 70796638111
 Option 4 ID : 70796638110
 Status : Answered
 Chosen Option : 1

Q.8 _____ ° Celsius = 167 Fahrenheit

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

Question ID : 7079669495
 Option 1 ID : 70796637978
 Option 2 ID : 70796637977
 Option 3 ID : 70796637980
 Option 4 ID : 70796637979
 Status : Answered
 Chosen Option : 2

Q.9 A/An _____ is an interface on a computer to which you can connect a device.

- Ans ✗ 1. anime
 ✗ 2. dongle
 ✓ 3. port
 ✗ 4. array

Question ID : 7079669500
 Option 1 ID : 70796637997
 Option 2 ID : 70796638000
 Option 3 ID : 70796637999
 Option 4 ID : 70796637998
 Status : Answered
 Chosen Option : 3

Q.9 _____ is India's sole National Issuing & Guaranteeing Association for ATA Carnets (also known as 'Passport for Goods').

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

Question ID : 7079669453
 Option 1 ID : 70796637812
 Option 2 ID : 70796637809
 Option 3 ID : 70796637810
 Option 4 ID : 70796637811

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

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

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

Question ID : **7079669513**
Option 1 ID : **70796638052**
Option 2 ID : **70796638050**
Option 3 ID : **70796638051**
Option 4 ID : **70796638049**
Status : **Answered**
Chosen Option : **4**

Q.9 In this question, two statements are given, followed by two conclusions labelled I and II. You have to consider the
3 statements to be true even if they seem to be at variance with commonly known facts, and decide which of the given conclusions, if any, follow(s) from the given statements.

Statements:

No beakers are vases.
All vases are jugs.

Conclusions:

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

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

Question ID : **7079669538**
Option 1 ID : **70796638152**
Option 2 ID : **70796638149**
Option 3 ID : **70796638151**
Option 4 ID : **70796638150**
Status : **Answered**
Chosen Option : **4**

Q.9 Breathing in about 900 parts of _____ in a million parts of air for a short time causes fatigue, dizziness, and headache.
4

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

Question ID : **7079669469**
Option 1 ID : **70796637876**
Option 2 ID : **70796637873**
Option 3 ID : **70796637874**
Option 4 ID : **70796637875**
Status : **Answered**
Chosen Option : **2**

Q.9

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5 The sum of binary numbers 1100100 and 1101110 is _____.

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

Question ID : 7079669502
Option 1 ID : 70796638005
Option 2 ID : 70796638006
Option 3 ID : 70796638007
Option 4 ID : 70796638008
Status : Not Answered
Chosen Option : --

Q.9
6 Henry per meter is the unit of _____.

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

Question ID : 7079669477
Option 1 ID : 70796637906
Option 2 ID : 70796637905
Option 3 ID : 70796637907
Option 4 ID : 70796637908
Status : Not Answered
Chosen Option : --

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

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

Question ID : 7079669452
Option 1 ID : 70796637806
Option 2 ID : 70796637808
Option 3 ID : 70796637807
Option 4 ID : 70796637805
Status : Answered
Chosen Option : 4

Q.9
8 Choose the word that is different from the rest.

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

Question ID : 7079669542
Option 1 ID : 70796638168
Option 2 ID : 70796638165
Option 3 ID : 70796638166

Option 4 ID : 70796638167

Status : Answered

Chosen Option : 1

Q.9 A car loses 200 kJ of kinetic energy when its speed decreases from 25 m/s to 15 m/s. Find its mass in tonnes.

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

Question ID : 7079669493

Option 1 ID : 70796637969

Option 2 ID : 70796637970

Option 3 ID : 70796637971

Option 4 ID : 70796637972

Status : Answered

Chosen Option : 4

Q.1 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 : 7079669519

Option 1 ID : 70796638075

Option 2 ID : 70796638076

Option 3 ID : 70796638074

Option 4 ID : 70796638073

Status : Answered

Chosen Option : 1

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For Competitive Exams

Section : Mechanic Diesel

Q.1 Which one of the following stroke is produced in an engine when both valves are closed?

- Ans
- ☒ 1. Compression
 - ☒ 2. Suction
 - ☒ 3. Power
 - ☒ 4. Exhaust

Question ID : 7079669560

Option 1 ID : 70796638239

Option 2 ID : 70796638238

Option 3 ID : 70796638240

Option 4 ID : 70796638237

Status : Answered

Chosen Option : 1

Q.2 Which among the following happens if the clutch is not functioning?

- Ans
- ☒ 1. Fly wheel is at rest
 - ☒ 2. Engine will not start
 - ☒ 3. Vehicle will not move

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✗ 4. Engine gets overheated

Question ID : 7079669581
Option 1 ID : 70796638323
Option 2 ID : 70796638321
Option 3 ID : 70796638324
Option 4 ID : 70796638322
Status : Answered
Chosen Option : 1

Q.3 Which of the following term is not related ignition system of vehicle?

- Ans
- ✗ 1. Rocker arm
 - ✗ 2. Distributor
 - ✗ 3. Ignition coil
 - ✓ 4. Spark plug

Question ID : 7079669566
Option 1 ID : 70796638264
Option 2 ID : 70796638262
Option 3 ID : 70796638261
Option 4 ID : 70796638263
Status : Answered
Chosen Option : 1

Q.4 Combination of wetting, surface tension and slipperiness is called:

- Ans
- ✗ 1. Flash point
 - ✗ 2. Fire point
 - ✓ 3. Oiliness
 - ✗ 4. Volatility

Question ID : 7079669592
Option 1 ID : 70796638366
Option 2 ID : 70796638367
Option 3 ID : 70796638365
Option 4 ID : 70796638368
Status : Answered
Chosen Option : 3

Q.5 Which type of chisel is used for squaring materials at the corners?

- Ans
- ✗ 1. Cross-cut chisel
 - ✗ 2. Half round nose chisel
 - ✓ 3. Flat chisel
 - ✗ 4. Diamond point chisel

Question ID : 7079669591
Option 1 ID : 70796638362
Option 2 ID : 70796638363
Option 3 ID : 70796638361
Option 4 ID : 70796638364
Status : Answered
Chosen Option : 3

Q.6 Which of the following is not related to piston ring?

- Ans ☒ 1. Compression ring
☒ 2. Clip ring
☒ 3. Wiper ring
☒ 4. Oil ring

Question ID : 7079669567
 Option 1 ID : 70796638265
 Option 2 ID : 70796638268
 Option 3 ID : 70796638267
 Option 4 ID : 70796638266
 Status : Answered
 Chosen Option : 3

Q.7 Chromium stainless steel alloy is used for making:

- Ans ☒ 1. Piston
☒ 2. Inlet and exhaust valve
☒ 3. Camshaft
☒ 4. Crank shaft

Question ID : 7079669557
 Option 1 ID : 70796638225
 Option 2 ID : 70796638228
 Option 3 ID : 70796638226
 Option 4 ID : 70796638227
 Status : Answered
 Chosen Option : 2

Q.8 A 12 V lead-acid battery consists of:

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

Question ID : 7079669601
 Option 1 ID : 70796638403
 Option 2 ID : 70796638401
 Option 3 ID : 70796638404
 Option 4 ID : 70796638402
 Status : Not Answered
 Chosen Option : --

Q.9 The function of gudgeon pin is:

- Ans ☒ 1. Connect engine to gear box
☒ 2. Connect valve to camshaft
☒ 3. connect piston to connecting rod
☒ 4. Connect crankshaft to flywheel

Question ID : 7079669561
 Option 1 ID : 70796638243
 Option 2 ID : 70796638244
 Option 3 ID : 70796638241
 Option 4 ID : 70796638242

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

Q.1
0 When cutting an ISO Metric thread for a coarse pitch, by how many degrees should the compound rest be swiveled to?

- Ans
- ☒ 1. 15°
 - ☒ 2. 60°
 - ☒ 3. 30°
 - ☒ 4. 45°

Question ID : **7079669553**
Option 1 ID : **70796638209**
Option 2 ID : **70796638212**
Option 3 ID : **70796638211**
Option 4 ID : **70796638210**
Status : **Not Answered**
Chosen Option : --

Q.1
1 The portion of the reamer which is held and driven (it can be parallel or tapered) is called the:

- Ans
- ☒ 1. Body
 - ☒ 2. Shank
 - ☒ 3. Axis
 - ☒ 4. Recess

Question ID : **7079669613**
Option 1 ID : **70796638451**
Option 2 ID : **70796638449**
Option 3 ID : **70796638452**
Option 4 ID : **70796638450**
Status : **Answered**
Chosen Option : **2**

Q.1
2 How can we remove a broken bolt from a tapped hole?

- Ans
- ☒ 1. With a tap extractor
 - ☒ 2. With heat treatment
 - ☒ 3. With a pin punching hammer
 - ☒ 4. By annealing the tapped drill hole

Question ID : **7079669552**
Option 1 ID : **70796638206**
Option 2 ID : **70796638208**
Option 3 ID : **70796638205**
Option 4 ID : **70796638207**
Status : **Answered**
Chosen Option : **3**

Q.1
3 Valve timing diagram is

- Ans
- ☒ 1. Graphical representation of cam shaft location
 - ☒ 2. Graphical representation of piston position
 - ☒ 3. Graphical representation of the opening and closing of intake and exhaust valve of engine:
 - ☒ 4. Graphical representation of crank shaft position

Question ID : 7079669558
 Option 1 ID : 70796638230
 Option 2 ID : 70796638231
 Option 3 ID : 70796638229
 Option 4 ID : 70796638232
 Status : Answered
 Chosen Option : 1

Q.1
4 How should the radiator core be cleaned?

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

Question ID : 7079669616
 Option 1 ID : 70796638462
 Option 2 ID : 70796638464
 Option 3 ID : 70796638461
 Option 4 ID : 70796638463
 Status : Answered
 Chosen Option : 1

Q.1
5 In compressed ignition engines, cylinder liners are provided:

- Ans ☒ 1. inside the cylinder head
☒ 2. inside the cylinder block
☒ 3. on the cylinder head
☒ 4. outside the cylinder block

Question ID : 7079669609
 Option 1 ID : 70796638433
 Option 2 ID : 70796638435
 Option 3 ID : 70796638434
 Option 4 ID : 70796638436
 Status : Answered
 Chosen Option : 2

Q.1
6 Why are woodruff keys used?

- Ans ☒ 1. Because they are easy to fit and self-align
☒ 2. Because they are less expensive
☒ 3. Because they can take shear stress
☒ 4. Because they can take heavy load

Question ID : 7079669554
 Option 1 ID : 70796638215
 Option 2 ID : 70796638216
 Option 3 ID : 70796638214
 Option 4 ID : 70796638213
 Status : Answered
 Chosen Option : 3

Q.1
7 In a four-stroke diesel engine, what happens in the suction stroke?

Ans

- ☒ 1. Air fuel mixture compresses
- ☒ 2. Power is produced
- ☒ 3. Exhaust gases are exhausted
- ☒ 4. Air enters into the combustion chamber

Question ID : 7079669606
 Option 1 ID : 70796638421
 Option 2 ID : 70796638424
 Option 3 ID : 70796638423
 Option 4 ID : 70796638422
 Status : Answered
 Chosen Option : 4

Q.1
8 A _____ is mounted on the rear end of a crankshaft.

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

Question ID : 7079669615
 Option 1 ID : 70796638457
 Option 2 ID : 70796638458
 Option 3 ID : 70796638459
 Option 4 ID : 70796638460
 Status : Answered
 Chosen Option : 2

Q.1
9 The small end of the piston pin is connected to the:

- Ans
- ☒ 1. small end of the connecting rod
 - ☒ 2. crank shaft
 - ☒ 3. big end of the journal
 - ☒ 4. cam shaft

Question ID : 7079669577
 Option 1 ID : 70796638307
 Option 2 ID : 70796638305
 Option 3 ID : 70796638308
 Option 4 ID : 70796638306
 Status : Answered
 Chosen Option : 1

Q.2
0 What material is a piston made of?

- Ans
- ☒ 1. Steel
 - ☒ 2. Cast iron
 - ☒ 3. Aluminum alloy
 - ☒ 4. Carbon steel

Question ID : 7079669583
 Option 1 ID : 70796638331
 Option 2 ID : 70796638330
 Option 3 ID : 70796638329
 Option 4 ID : 70796638332

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

Q.2
1 After reassembly, the engine power can be tested with the help of a _____.

- Ans
- ☒ 1. Hydrometer
 - ☒ 2. Multimeter
 - ☒ 3. Test bench
 - ☒ 4. Dynamometer

Question ID : **7079669580**
Option 1 ID : **70796638319**
Option 2 ID : **70796638318**
Option 3 ID : **70796638320**
Option 4 ID : **70796638317**
Status : **Answered**
Chosen Option : **3**

Q.2
2 In which circuit is a solenoid switch used?

- Ans
- ☒ 1. Ignition circuit
 - ☒ 2. Electrical circuit
 - ☒ 3. Starting circuit
 - ☒ 4. Charging circuit

Question ID : **7079669564**
Option 1 ID : **70796638253**
Option 2 ID : **70796638256**
Option 3 ID : **70796638255**
Option 4 ID : **70796638254**
Status : **Not Answered**
Chosen Option : **--**

Q.2
3 In _____ engine there is one working stroke for every two revolutions of the crankshaft.

- Ans
- ☒ 1. Two stroke
 - ☒ 2. Three stroke
 - ☒ 3. Four stroke
 - ☒ 4. One stroke

Question ID : **7079669596**
Option 1 ID : **70796638382**
Option 2 ID : **70796638383**
Option 3 ID : **70796638384**
Option 4 ID : **70796638381**
Status : **Answered**
Chosen Option : **3**

Q.2
4 The electrodes are manufactured in two standard lengths namely:

- Ans
- ☒ 1. 650 mm and 750 mm
 - ☒ 2. 350 mm and 450 mm
 - ☒ 3. 500 mm and 600 mm
 - ☒ 4. 200 mm and 300 mm

Question ID : **7079669603**

Option 1 ID : 70796638412
 Option 2 ID : 70796638410
 Option 3 ID : 70796638411
 Option 4 ID : 70796638409
 Status : Not Answered
 Chosen Option : --

Q.2
5 What is the maximum fuel pressure in a unit injector system?

- Ans
- ☒ 1. 800 bar
 - ☒ 2. 400 bar
 - ☒ 3. 2400 bar
 - ☒ 4. 1600 bar

Question ID : 7079669621
 Option 1 ID : 70796638482
 Option 2 ID : 70796638481
 Option 3 ID : 70796638484
 Option 4 ID : 70796638483
 Status : Answered
 Chosen Option : 3

Q.2
6 Identify the part shown in the figure.



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- Ans
- ☒ 1. Fuel pump
 - ☒ 2. Fuel injector
 - ☒ 3. Common rail
 - ☒ 4. Electronic Diesel Control

Question ID : 7079669624
 Option 1 ID : 70796638495
 Option 2 ID : 70796638494
 Option 3 ID : 70796638493
 Option 4 ID : 70796638496
 Status : Not Answered
 Chosen Option : --

Q.2
7 In an engine, the manifold absolute pressure sensor is placed at the:

- Ans
- ☒ 1. crankshaft
 - ☒ 2. inlet manifold
 - ☒ 3. camshaft
 - ☒ 4. exhaust manifold

Question ID : 7079669619

Option 1 ID : 70796638475

Option 2 ID : 70796638474

Option 3 ID : 70796638476

Option 4 ID : 70796638473

Status : Answered

Chosen Option : 2

Q.2
8 In which of the following instances would engine oil consumption be high?

- Ans
- ☒ 1. Cylinder bore is small
 - ☒ 2. Oil level is low
 - ☒ 3. Piston rings are worn out
 - ☒ 4. Compression pressure is weak

Question ID : 7079669586

Option 1 ID : 70796638342

Option 2 ID : 70796638344

Option 3 ID : 70796638341

Option 4 ID : 70796638343

Status : Answered

Chosen Option : 3

Q.2
9 Crane hooks are generally made of:

- Ans
- ☒ 1. Mild steel
 - ☒ 2. Cast iron steel
 - ☒ 3. Cast iron
 - ☒ 4. High speed steel

Question ID : 7079669569

Option 1 ID : 70796638276

Option 2 ID : 70796638275

Option 3 ID : 70796638274

Option 4 ID : 70796638273

Status : Answered

Chosen Option : 2

Q.3
0 Which of the following is a speed indicator on the dashboard?

- Ans
- ☒ 1. Pressure gauge
 - ☒ 2. AMP meter
 - ☒ 3. Voltmeter
 - ☒ 4. RPM (Revolutions per minute)

Question ID : 7079669579

Option 1 ID : 70796638315

Option 2 ID : 70796638314

Option 3 ID : 70796638313

Option 4 ID : 70796638316

Status : Answered

Chosen Option : 4

Q.3
1 The _____ limits the distance of the crankshaft and can slide forward or backward in the block.

- Ans
- ☒ 1. dummy plates
 - ☒ 2. spring washer

☒ 3. plain washer☒ 4. main thrust bearing

Question ID : 7079669610

Option 1 ID : 70796638439

Option 2 ID : 70796638437

Option 3 ID : 70796638438

Option 4 ID : 70796638440

Status : Answered

Chosen Option : 4

Q.3
2 In a grinding wheel, what is the size of the finest abrasive grain?Ans ☒ 1. 30 – 60☒ 2. 70 – 200☒ 3. 6 – 24☒ 4. 220 – 1000

Question ID : 7079669590

Option 1 ID : 70796638358

Option 2 ID : 70796638359

Option 3 ID : 70796638357

Option 4 ID : 70796638360

Status : Not Answered

Chosen Option : --

Q.3
3 When drilling a cast iron metal, which of the following coolants is used?Ans ☒ 1. Dry air☒ 2. Lubricant oil☒ 3. Kerosene☒ 4. Machine oil

Question ID : 7079669551

Option 1 ID : 70796638204

Option 2 ID : 70796638203

Option 3 ID : 70796638201

Option 4 ID : 70796638202

Status : Answered

Chosen Option : 1

Q.3
4 Which of the following is an example of an electrical conductor?Ans ☒ 1. Porcelain☒ 2. Plastic☒ 3. Copper☒ 4. Wood

Question ID : 7079669600

Option 1 ID : 70796638400

Option 2 ID : 70796638398

Option 3 ID : 70796638397

Option 4 ID : 70796638399

Status : Answered

Chosen Option : 3

Q.3 Which of the following equipment can be consider in hoist category?

5

Ans

- ☒ 1. Tyre changer
- ☒ 2. Wheel aligner
- ☒ 3. Two post lift
- ☒ 4. Engine scanner

Question ID : 7079669594

Option 1 ID : 70796638375

Option 2 ID : 70796638373

Option 3 ID : 70796638376

Option 4 ID : 70796638374

Status : Answered

Chosen Option : 4

Q.3
6

An oily workshop floor can be cleaned:

Ans

- ☒ 1. by cotton waste
- ☒ 2. with the help of wooden dust and sand
- ☒ 3. by washing with water
- ☒ 4. by spraying Carbon dioxide

Question ID : 7079669573

Option 1 ID : 70796638289

Option 2 ID : 70796638291

Option 3 ID : 70796638290

Option 4 ID : 70796638292

Status : Answered

Chosen Option : 2

Q.3
7

Which one of the following pulleys is used to obtain different speeds?

Ans

- ☒ 1. Split pulley
- ☒ 2. Stepped pulley
- ☒ 3. Solid pulley
- ☒ 4. Jockey pulley

Question ID : 7079669562

Option 1 ID : 70796638246

Option 2 ID : 70796638248

Option 3 ID : 70796638247

Option 4 ID : 70796638245

Status : Answered

Chosen Option : 1

Q.3
8

Which of the following part comes in vehicle lubrication system?

Ans

- ☒ 1. Oil filter
- ☒ 2. Oil pump
- ☒ 3. Oil sump
- ☒ 4. Oil crank

Question ID : 7079669587

Option 1 ID : 70796638345

Option 2 ID : 70796638346

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Option 3 ID : 70796638347
 Option 4 ID : 70796638348
 Status : Answered
 Chosen Option : 3

Q.3
9 What is an injector code commonly known as?

- Ans
- ☒ 1. DMA
 - ☒ 2. VMA
 - ☒ 3. IMA
 - ☒ 4. MMA

Question ID : 7079669622
 Option 1 ID : 70796638487
 Option 2 ID : 70796638485
 Option 3 ID : 70796638486
 Option 4 ID : 70796638488
 Status : Answered
 Chosen Option : 3

Q.4
0 Identify the tool in the given figure.



- Ans
- ☒ 1. Screw driver
 - ☒ 2. Ratchet spanner
 - ☒ 3. Scale
 - ☒ 4. Torque wrench

Question ID : 7079669597
 Option 1 ID : 70796638385
 Option 2 ID : 70796638388
 Option 3 ID : 70796638386
 Option 4 ID : 70796638387
 Status : Answered
 Chosen Option : 4

Q.4
1 Following is not part of valve assembly.

- Ans
- ☒ 1. stem
 - ☒ 2. spring
 - ☒ 3. head
 - ☒ 4. bearing

Question ID : 7079669556
 Option 1 ID : 70796638222
 Option 2 ID : 70796638223
 Option 3 ID : 70796638221
 Option 4 ID : 70796638224
 Status : Answered

Chosen Option : 4

Q.4
2 Timing belt connect engine:

- Ans ☒ 1. Camshaft and crankshaft
☒ 2. Piston and connecting rod
☒ 3. Axle and wheel
☒ 4. Alternator and engine

Question ID : 7079669604
 Option 1 ID : 70796638413
 Option 2 ID : 70796638414
 Option 3 ID : 70796638415
 Option 4 ID : 70796638416

Status : Answered

Chosen Option : 1

Q.4
3 The crank shaft is made by the process of _____.

- Ans ☒ 1. Casting
☒ 2. Forging
☒ 3. Pressing
☒ 4. Turning

Question ID : 7079669582
 Option 1 ID : 70796638325
 Option 2 ID : 70796638326
 Option 3 ID : 70796638327
 Option 4 ID : 70796638328

Status : Answered

Chosen Option : 2

Q.4
4 What is the full form of Ti-VCT?

- Ans ☒ 1. Twin Interdependent Variable Controller Timing
☒ 2. Twin Interdependent Variable Crankshaft Timing
☒ 3. Twin Interdependent Variable Countershaft Timing
☒ 4. Twin Independent Variable Camshaft Timing

Question ID : 7079669614
 Option 1 ID : 70796638455
 Option 2 ID : 70796638453
 Option 3 ID : 70796638454
 Option 4 ID : 70796638456

Status : Answered

Chosen Option : 4

Q.4
5 Splash system is related to vehicle:

- Ans ☒ 1. Cooling system
☒ 2. Exhaust system
☒ 3. Electrical system
☒ 4. Lubrication system

Question ID : 7079669575
 Option 1 ID : 70796638297
 Option 2 ID : 70796638300
 Option 3 ID : 70796638299
 Option 4 ID : 70796638298
 Status : Answered
 Chosen Option : 4

Q.4
6 Room temperature vulcanizing (RTV) sealer is also called:

- Ans ☒ 1. Silicone sealer
☒ 2. Tin sealer
☒ 3. Rubber sealer
☒ 4. Steel sealer

Question ID : 7079669588
 Option 1 ID : 70796638351
 Option 2 ID : 70796638350
 Option 3 ID : 70796638349
 Option 4 ID : 70796638352
 Status : Not Answered
 Chosen Option : --

Q.4
7 The spark plug gap is adjusted by a:

- Ans ☒ 1. Scale
☒ 2. go gauge
☒ 3. feeler gauge
☒ 4. blade gap adjustment

Question ID : 7079669578
 Option 1 ID : 70796638310
 Option 2 ID : 70796638311
 Option 3 ID : 70796638309
 Option 4 ID : 70796638312
 Status : Answered
 Chosen Option : 3

Q.4
8 The lower hose pipe is connected between:

- Ans ☒ 1. thermostat and water pump
☒ 2. thermostat and radiator
☒ 3. thermostat and bypass valve
☒ 4. water pump inlet and radiator outlet tank

Question ID : 7079669608
 Option 1 ID : 70796638431
 Option 2 ID : 70796638429
 Option 3 ID : 70796638432
 Option 4 ID : 70796638430
 Status : Answered
 Chosen Option : 4

Q.4
9 What is the full form of MOSFET?

- Ans ☒ 1. Metal Oxide Semiconductor Final End Transistor
☒ 2. Metal Offset Flow Effect Thermistor

- ✓ 3. Metal Oxide Semiconductor Field Effect Transistor
- ✗ 4. Metal Oxide Semiconductor Fusion Effect Transistor

Question ID : 7079669602
 Option 1 ID : 70796638408
 Option 2 ID : 70796638405
 Option 3 ID : 70796638407
 Option 4 ID : 70796638406
 Status : Answered
 Chosen Option : 3

Q.5
0 Which among the following metals is the lightest?

- Ans ✗ 1. Aluminium
- ✗ 2. Copper
- ✗ 3. Lead
- ✓ 4. Tin

Question ID : 7079669568
 Option 1 ID : 70796638271
 Option 2 ID : 70796638272
 Option 3 ID : 70796638269
 Option 4 ID : 70796638270
 Status : Answered
 Chosen Option : 1

Q.5
1 Which of the following is a reason for an engine not starting?

- Ans ✗ 1. Timing defect
- ✗ 2. Clogged air cleaner
- ✓ 3. No fuel in the tank
- ✗ 4. Punctured tires

Question ID : 7079669585
 Option 1 ID : 70796638339
 Option 2 ID : 70796638340
 Option 3 ID : 70796638337
 Option 4 ID : 70796638338
 Status : Answered
 Chosen Option : 2

Q.5
2 Which of the following filling metals are used during brazing in an alloy?

- Ans ✗ 1. Zinc and lead
- ✗ 2. Copper and zinc
- ✓ 3. Lead and copper
- ✗ 4. Copper and tin

Question ID : 7079669570
 Option 1 ID : 70796638280
 Option 2 ID : 70796638277
 Option 3 ID : 70796638278
 Option 4 ID : 70796638279
 Status : Answered
 Chosen Option : 2

Q.5
3 In a three-way catalytic converter, HC, CO and NO_x gases are converted as:

- Ans
- ☒ 1. CO₂, NO_x and HC
 - ☒ 2. H₂O, N₂ and CO₂
 - ☒ 3. H₂O, NO_x and HC
 - ☒ 4. CO, N₂ and HC

Question ID : 7079669618
 Option 1 ID : 70796638470
 Option 2 ID : 70796638471
 Option 3 ID : 70796638472
 Option 4 ID : 70796638469
 Status : Answered
 Chosen Option : 2

Q.5
4 What is the full form of VVTL-I?

- Ans
- ☒ 1. Variable Valve Total Line In system
 - ☒ 2. Variable Valve Time and Lift
 - ☒ 3. Variable Valve Timing Lift Intelligence system
 - ☒ 4. Valve Variation Time Line In

Question ID : 7079669620
 Option 1 ID : 70796638478
 Option 2 ID : 70796638479
 Option 3 ID : 70796638480
 Option 4 ID : 70796638477
 Status : Answered
 Chosen Option : 3

Q.5
5 The purpose of Variable valve timing (VVT) is:

- Ans
- ☒ 1. Variation in valve size
 - ☒ 2. No change in valve lift
 - ☒ 3. Alter the valve lift
 - ☒ 4. High vibration on valve head

Question ID : 7079669559
 Option 1 ID : 70796638236
 Option 2 ID : 70796638234
 Option 3 ID : 70796638233
 Option 4 ID : 70796638235
 Status : Answered
 Chosen Option : 3

Q.5
6 In passenger cars, emissions are measured in the unit of:

- Ans
- ☒ 1. g/kwh
 - ☒ 2. Kg/km
 - ☒ 3. g/km
 - ☒ 4. g/m

Question ID : 7079669623
 Option 1 ID : 70796638491

Option 2 ID : 70796638489
 Option 3 ID : 70796638490
 Option 4 ID : 70796638492
 Status : Not Answered
 Chosen Option : --

Q.5 7 With which one of the following heat treatment processes do we obtain a scale-free surface on the component?

- Ans ☒ 1. Induction hardening
☒ 2. Flame hardening
☒ 3. Case hardening
☒ 4. Nitriding

Question ID : 7079669565
 Option 1 ID : 70796638260
 Option 2 ID : 70796638257
 Option 3 ID : 70796638258
 Option 4 ID : 70796638259
 Status : Answered
 Chosen Option : 3

Q.5 8 Which drill point angle should be used for Zinc alloys?

- Ans ☒ 1. 45°
☒ 2. 30°
☒ 3. 80°
☒ 4. 118°

Question ID : 7079669612
 Option 1 ID : 70796638445
 Option 2 ID : 70796638446
 Option 3 ID : 70796638447
 Option 4 ID : 70796638448
 Status : Answered
 Chosen Option : 4

Q.5 9 Which one of the following is used to hold the straight shank drill having diameter less than 12 mm?

- Ans ☒ 1. Drill chuck
☒ 2. Drill drift
☒ 3. Socket
☒ 4. Sleeve

Question ID : 7079669611
 Option 1 ID : 70796638443
 Option 2 ID : 70796638444
 Option 3 ID : 70796638442
 Option 4 ID : 70796638441
 Status : Answered
 Chosen Option : 1

Q.6 0 Which type of washer is used for locking a nut?

- Ans ☒ 1. Spring washer
☒ 2. Locking washer with lug
☒ 3. Tab washer

✗ 4. Locking device

Question ID : 7079669555
Option 1 ID : 70796638218
Option 2 ID : 70796638220
Option 3 ID : 70796638217
Option 4 ID : 70796638219
Status : Answered
Chosen Option : 2

Q.6
1 What is the point angle of a twist drill?

- Ans ✓ 1. 135°
✗ 2. 118°
✗ 3. 90°
✗ 4. 60°

Question ID : 7079669572
Option 1 ID : 70796638285
Option 2 ID : 70796638286
Option 3 ID : 70796638287
Option 4 ID : 70796638288
Status : Answered
Chosen Option : 2

Q.6
2 Which one the following keys is used on an automobile shaft?

- Ans ✗ 1. Woodruff key
✓ 2. Gib head key
✗ 3. Taper key
✗ 4. Saddle key

Question ID : 7079669571
Option 1 ID : 70796638283
Option 2 ID : 70796638281
Option 3 ID : 70796638282
Option 4 ID : 70796638284
Status : Answered
Chosen Option : 2

Q.6
3 The high torque electric motor for turning the gear on the engine flywheel is called:

- Ans ✗ 1. Reversible motor
✗ 2. Alternator
✗ 3. Dynamo
✓ 4. Starting motor

Question ID : 7079669625
Option 1 ID : 70796638499
Option 2 ID : 70796638498
Option 3 ID : 70796638497
Option 4 ID : 70796638500
Status : Not Answered
Chosen Option : --

Q.6
4

Identify the part shown in the given figure.



- Ans ☒ 1. Snap ring
☒ 2. Wire fastener
☒ 3. Tab washer
☒ 4. Cotter pin

Question ID : 7079669589
 Option 1 ID : 70796638353
 Option 2 ID : 70796638355
 Option 3 ID : 70796638356
 Option 4 ID : 70796638354
 Status : Answered
 Chosen Option : 1

Q.6 Which of the following fuels is used in an internal combustion engine?

- Ans ☒ 1. Coal
☒ 2. Wood
☒ 3. Diesel
☒ 4. Hydrogen

Question ID : 7079669607
 Option 1 ID : 70796638425
 Option 2 ID : 70796638428
 Option 3 ID : 70796638426
 Option 4 ID : 70796638427
 Status : Answered
 Chosen Option : 3

Q.6 Which type of file is used for internal curved surfaces?

- Ans ☒ 1. Round files
☒ 2. Half round file
☒ 3. Triangular file
☒ 4. Square file

Question ID : 7079669595
 Option 1 ID : 70796638378
 Option 2 ID : 70796638380
 Option 3 ID : 70796638379
 Option 4 ID : 70796638377
 Status : Answered
 Chosen Option : 1

Q.6

7 Following is not part of diesel engine:

- Ans
- ☒ 1. Fuel filter
 - ☒ 2. Fuel injection pump
 - ☒ 3. Spark plug
 - ☒ 4. Injector

Question ID : 7079669599
 Option 1 ID : 70796638396
 Option 2 ID : 70796638393
 Option 3 ID : 70796638395
 Option 4 ID : 70796638394
 Status : Answered
 Chosen Option : 3

Q.6
8 Poor starting of diesel engine can be:

- Ans
- ☒ 1. Air in fuel injection pump
 - ☒ 2. Loose radiator fan belt
 - ☒ 3. Low engine power
 - ☒ 4. Low brake fluid level

Question ID : 7079669598
 Option 1 ID : 70796638389
 Option 2 ID : 70796638391
 Option 3 ID : 70796638390
 Option 4 ID : 70796638392
 Status : Answered
 Chosen Option : 1

Q.6
9 Identify the type of oil filter shown in the given figure.



- Ans
- ☒ 1. Spin on type
 - ☒ 2. Cartridge type
 - ☒ 3. Magnetic type
 - ☒ 4. Centrifugal type

Question ID : 7079669574
 Option 1 ID : 70796638293
 Option 2 ID : 70796638294
 Option 3 ID : 70796638295
 Option 4 ID : 70796638296
 Status : Answered
 Chosen Option : 2

Q.7
0 In a cooling system, a small DC motor is used in which of the following devices?

- Ans
- ☒ 1. Belt
 - ☒ 2. Fan
 - ☒ 3. Pump
 - ☒ 4. Hose pipes

Question ID : 7079669617
 Option 1 ID : 70796638467
 Option 2 ID : 70796638466
 Option 3 ID : 70796638468
 Option 4 ID : 70796638465
 Status : Answered
 Chosen Option : 2

Q.7
1 What is the full form of CRDi?

- Ans
- ☒ 1. Common Rail Direct Injection
 - ☒ 2. Common Road Drive Inspection
 - ☒ 3. Common Road Direct Injection
 - ☒ 4. Common Rod Direct Inductive

Question ID : 7079669584
 Option 1 ID : 70796638333
 Option 2 ID : 70796638334
 Option 3 ID : 70796638335
 Option 4 ID : 70796638336
 Status : Answered
 Chosen Option : 2

Q.7
2 A single cylinder diesel engine produces power for:

- Ans
- ☒ 1. every revolution
 - ☒ 2. 4 revolutions
 - ☒ 3. 1½ revolutions
 - ☒ 4. 2 revolutions

Question ID : 7079669576
 Option 1 ID : 70796638301
 Option 2 ID : 70796638302
 Option 3 ID : 70796638304
 Option 4 ID : 70796638303
 Status : Answered
 Chosen Option : 4

Q.7
3 In a two-stroke engine, the air fuel mixture enters into the combustion chamber through the:

- Ans
- ☒ 1. intake port
 - ☒ 2. inlet manifold
 - ☒ 3. transfer port
 - ☒ 4. exhaust port

Question ID : 7079669605
 Option 1 ID : 70796638417
 Option 2 ID : 70796638420

Option 3 ID : 70796638419
Option 4 ID : 70796638418
Status : Answered
Chosen Option : 1

Q.7
4 A lock nut is provided in a micrometer to:

- Ans
- ☒ 1. lock the reading after setting the job
 - ☒ 2. lock the micrometer when it is not in use
 - ☒ 3. control the movement of the spindle
 - ☒ 4. measure accuracy

Question ID : 7079669563
Option 1 ID : 70796638250
Option 2 ID : 70796638252
Option 3 ID : 70796638249
Option 4 ID : 70796638251
Status : Answered
Chosen Option : 3

Q.7
5 In a turbocharger, the turbine wheel housing is connected to the:

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

Question ID : 7079669593
Option 1 ID : 70796638372
Option 2 ID : 70796638371
Option 3 ID : 70796638369
Option 4 ID : 70796638370
Status : Answered
Chosen Option : 3