



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: | 4:30 PM - 7:00 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 In angular measurements, one radian is equivalent to _____ degrees (approximately).

- Ans 1. 57.27
 2. 90
 3. 65.27
 4. 180

Question ID : 96234011387

Option 1 ID : 96234045547

Option 2 ID : 96234045546

Option 3 ID : 96234045548

Option 4 ID : 96234045545

Status : Answered

Chosen Option : 1

Q.2 A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.

1.14, 1.28, 1.42, ?, 1.70, 1.84

- Ans 1. 1.54
 2. 1.56
 3. 1.62
 4. 1.68

Question ID : 96234011454

Option 1 ID : 96234045815

Option 2 ID : 96234045814

Option 3 ID : 96234045813

Option 4 ID : 96234045816

Status : Answered

Chosen Option : 2

Q.3 In an examination, the highest score and the lowest score differed by 55 and the higher one was 9/4 times the lower one. What is the lowest score?

- Ans 1. 44
 2. 40
 3. 48

Question ID : 96234011437
Option 1 ID : 96234045747
Option 2 ID : 96234045746
Option 3 ID : 96234045748
Option 4 ID : 96234045745
Status : Answered
Chosen Option : 1

Q.4 What is the work that needs to be done to increase the speed of a 1 kg ball from 2 m/s to 4 m/s?

- Ans
- 1. 10 J
 - 2. 12 J
 - 3. 8 J
 - 4. 6 J

Question ID : 96234011390
Option 1 ID : 96234045559
Option 2 ID : 96234045560
Option 3 ID : 96234045558
Option 4 ID : 96234045557
Status : Not Answered
Chosen Option : --

Q.5 The ages of X and Y are in the ratio 4 : 7. Three years earlier, the ratio of their ages was 1 : 2. What is the difference between their current ages (Y - X)?

- Ans
- 1. 7.5
 - 2. 3
 - 3. 6
 - 4. 9

Question ID : 96234011450
Option 1 ID : 96234045799
Option 2 ID : 96234045797
Option 3 ID : 96234045798
Option 4 ID : 96234045800
Status : Answered
Chosen Option : 4

Q.6 What is the median of 8, 5, 7, 9, 11, 6, 10 ?

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

Question ID : 96234011446
Option 1 ID : 96234045781
Option 2 ID : 96234045783
Option 3 ID : 96234045784
Option 4 ID : 96234045782
Status : Answered
Chosen Option : 4

Q.7 Select the option that is related to the third number in the same way as the second number is related to the first number.

-9/11 : 11/9 :: 13/2 : ?

- Ans
- 1. 3/7

4. -7/3

Question ID : 96234011452
Option 1 ID : 96234045806
Option 2 ID : 96234045808
Option 3 ID : 96234045805
Option 4 ID : 96234045807
Status : Answered
Chosen Option : 2

Q.8 A _____ is a theoretical exact plane, axis or point location that GD & T or dimensional tolerances are referenced to.

- Ans
- 1. flange
 - 2. frame
 - 3. section
 - 4. datum

Question ID : 96234011395
Option 1 ID : 96234045579
Option 2 ID : 96234045580
Option 3 ID : 96234045578
Option 4 ID : 96234045577
Status : Not Answered
Chosen Option : --

Q.9 Given below is a question, followed by two arguments, I and II. You have to decide which of the given arguments, if any, is a strong argument, with respect to the question.

Question: Should advertisements be banned on television?

Argument I : Yes, advertisements are immoral.

Argument II : No, advertisements bring in revenue which helps reduce cost for viewers.

- Ans
- 1. Only argument II is strong.
 - 2. Both I and II are strong.
 - 3. Only argument I is strong.
 - 4. Neither I nor II is strong.

Question ID : 96234011475
Option 1 ID : 96234045898
Option 2 ID : 96234045899
Option 3 ID : 96234045897
Option 4 ID : 96234045900
Status : Answered
Chosen Option : 1

Q.1 A can do $\frac{2}{5}$ of a work in 10 days. B can do $\frac{1}{2}$ of the same work in 10 days. They worked together for 5 days and then A left. In how many days will B finish the remaining work?

- Ans
- 1. 11
 - 2. 9
 - 3. 8
 - 4. 10

Question ID : 96234011449
Option 1 ID : 96234045793
Option 2 ID : 96234045795
Option 3 ID : 96234045796
Option 4 ID : 96234045794

Q.1
1 What is the distance between the points (4, 3) and (3, -2)?

- Ans
- 1. 6
 - 2. 5
 - 3. $\sqrt{24}$
 - 4. $\sqrt{26}$

Question ID : 96234011439
Option 1 ID : 96234045756
Option 2 ID : 96234045755
Option 3 ID : 96234045754
Option 4 ID : 96234045753
Status : Answered
Chosen Option : 3

Q.1
2 Substances that are broken down by biological processes are said to be _____.

- Ans
- 1. biodegradable
 - 2. non-biodegradable
 - 3. non-reusable
 - 4. reusable

Question ID : 96234011389
Option 1 ID : 96234045555
Option 2 ID : 96234045553
Option 3 ID : 96234045556
Option 4 ID : 96234045554
Status : Answered
Chosen Option : 1

Q.1
3 If a body has a specific gravity of less than 1, then it will float in/on _____.

- Ans
- 1. water
 - 2. mercury
 - 3. liquids
 - 4. air

Question ID : 96234011393
Option 1 ID : 96234045571
Option 2 ID : 96234045569
Option 3 ID : 96234045572
Option 4 ID : 96234045570
Status : Not Answered
Chosen Option : --

Q.1
4 A motorcycle travelled 1000 m at 36 km/hr. Find the time (in seconds) taken by the motorcycle to cover this distance.

- Ans
- 1. 400
 - 2. 300
 - 3. 200
 - 4. 100

Question ID : 96234011420

Status : Answered
Chosen Option : 4

Q.1
5 Given below are two statements, followed by two conclusions, I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow(s) from the given statements.

Statement 1: No quadrilaterals are polygons.
Statement 2: All polygons are rhombuses.

Conclusion I: Some rhombuses are quadrilaterals.
Conclusion II: Some rhombuses are polygons.

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

Question ID : 96234011460

Option 1 ID : 96234045839

Option 2 ID : 96234045838

Option 3 ID : 96234045840

Option 4 ID : 96234045837

Status : Answered

Chosen Option : 2

Q.1
6 The abbreviation AC in an engineering drawing stands for _____.

- Ans
- 1. Across Corners
 - 2. Aerial Cut
 - 3. Attached Circle
 - 4. Air Conditioning

Question ID : 96234011397

Option 1 ID : 96234045585

Option 2 ID : 96234045587

Option 3 ID : 96234045588

Option 4 ID : 96234045586

Status : Not Answered

Chosen Option : --

Q.1
7 Greater the value of _____ of a material, the more rapidly it will conduct heat.

- Ans
- 1. melting point
 - 2. latent heat
 - 3. regelation
 - 4. thermal conductivity

Question ID : 96234011404

Option 1 ID : 96234045613

Option 2 ID : 96234045615

Option 3 ID : 96234045616

Option 4 ID : 96234045614

Status : Answered

Chosen Option : 4

Q.1 I, J, K and L are sitting in a row. L and I are sitting next to each other and I and K are at the ends. Who is sitting next to J?

1. Only L
2. L and I
3. K and L
4. Only K

Question ID : 96234011469
 Option 1 ID : 96234045874
 Option 2 ID : 96234045873
 Option 3 ID : 96234045875
 Option 4 ID : 96234045876
 Status : Answered
 Chosen Option : 3

Q.1 Two planes E and F start flying from the same point. E flies 7 km west, then turns to its left and flies 15 km. Meanwhile F flies 11 km east and turns right and flies 15 km. Where is F with respect to E?

- Ans 1. F is 18 km west of E
2. F is 4 km east of E
3. F is 4 km west of E
4. F is 18 km east of E

Question ID : 96234011473
 Option 1 ID : 96234045889
 Option 2 ID : 96234045890
 Option 3 ID : 96234045891
 Option 4 ID : 96234045892
 Status : Answered
 Chosen Option : 4

Q.2 Which of the following options does not have an SI base unit?

- Ans 1. Frequency
2. Luminous intensity
3. Electric current
4. Amount of substance

Question ID : 96234011386
 Option 1 ID : 96234045544
 Option 2 ID : 96234045542
 Option 3 ID : 96234045543
 Option 4 ID : 96234045541
 Status : Answered
 Chosen Option : 1

Q.2 The effort applied to move a load is 15 units and the machine advantage is observed to be 3. Find the load.

- Ans 1. 5 units
2. 3 units
3. 15 units
4. 45 units

Question ID : 96234011411
 Option 1 ID : 96234045642
 Option 2 ID : 96234045644
 Option 3 ID : 96234045643
 Option 4 ID : 96234045641

Q.2
2 What is the unit's digit in $3^{66} \times 6^{41} \times 7^{53}$

- Ans
- 1. 8
 - 2. 3
 - 3. 6
 - 4. 7

Question ID : 96234011427
Option 1 ID : 96234045705
Option 2 ID : 96234045708
Option 3 ID : 96234045707
Option 4 ID : 96234045706
Status : Answered
Chosen Option : 3

Q.2
3 A sum of ₹10,000 amounts to ₹11,449 in 2 years, when the interest is compounded annually. The interest rate percent per annum is:

- Ans
- 1. 1%
 - 2. 8%
 - 3. 7%
 - 4. 6%

Question ID : 96234011435
Option 1 ID : 96234045739
Option 2 ID : 96234045738
Option 3 ID : 96234045740
Option 4 ID : 96234045737
Status : Answered
Chosen Option : 3

Q.2
4 A salesperson starts from his office and drives 2 km east, then turns north and drives 7 km, then turns to his right and drives 6 km, then turns south and drives 7 km. Where is he now with respect to his starting position?

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

Question ID : 96234011472
Option 1 ID : 96234045888
Option 2 ID : 96234045885
Option 3 ID : 96234045886
Option 4 ID : 96234045887
Status : Answered
Chosen Option : 2

Q.2
5 Select the option that is related to the third term in the same way as the second term is related to the first term.

Tall : Short :: Glad : ?

- Ans
- 1. Happy
 - 2. Sad
 - 3. Emotion
 - 4. Smile

Question ID : 96234011451

Status : Answered
 Chosen Option : 2

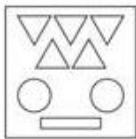


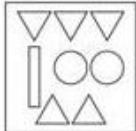
Q.2
 6 Which Indian cricketer received the Padma Bhushan in 2018?

- Ans
- 1. Virat Kohli
 - 2. Saurav Ganguly
 - 3. Sachin Tendulkar
 - 4. MS Dhoni

Question ID : 96234011381
 Option 1 ID : 96234045521
 Option 2 ID : 96234045524
 Option 3 ID : 96234045523
 Option 4 ID : 96234045522

Status : Answered
 Chosen Option : 4

Q.2
 7 Choose the figure that is different from the rest.

- Ans
- 1. 
 - 2. 
 - 3. 
 - 4. 

Question ID : 96234011471
 Option 1 ID : 96234045881
 Option 2 ID : 96234045883
 Option 3 ID : 96234045882
 Option 4 ID : 96234045884

Status : Answered
 Chosen Option : 3

Q.2
 8 If '+' represents 'x', '-' represents '+', 'x' represents '-' and '-' represents '+', then find the value of the following expression.
 $9 \times 3 + 6 \div 2 = ?$

- Ans
- 1. 10
 - 2. 12
 - 3. 16
 - 4. 20

Question ID : 96234011456
Option 1 ID : 96234045822
Option 2 ID : 96234045822
Option 3 ID : 96234045823
Option 4 ID : 96234045824
Status : Answered
Chosen Option : 3

Q.2 A 200 g block of iron was heated from 30°C to 60°C How much heat was transferred to the block (specific heat of iron is 9 450 Jkg⁻¹K⁻¹)?

- Ans
- 1. 6000 J
 - 2. 27 J
 - 3. 2700 J
 - 4. 270 J

Question ID : 96234011414
Option 1 ID : 96234045656
Option 2 ID : 96234045653
Option 3 ID : 96234045655
Option 4 ID : 96234045654
Status : Answered
Chosen Option : 3

Q.3 If the width of a standard engineering drawing sheet is 841 mm, then its length would be _____ mm.

- Ans
- 1. 1189
 - 2. 1250
 - 3. 1000
 - 4. 1216

Question ID : 96234011398
Option 1 ID : 96234045592
Option 2 ID : 96234045591
Option 3 ID : 96234045589
Option 4 ID : 96234045590
Status : Answered
Chosen Option : 1

Q.3 A and B can do a work in 15 days, B and C can do the work in 20 days and A and C can do the work in 10 days. In how many days will they together complete the work?

- Ans
- 1. 10.71 days
 - 2. 9.23 days
 - 3. 10.91 days
 - 4. 10.67 days

Question ID : 96234011448
Option 1 ID : 96234045790
Option 2 ID : 96234045791
Option 3 ID : 96234045792
Option 4 ID : 96234045789
Status : Answered
Chosen Option : 2

Q.3 Two resistors, one of 12 Ω and the other of 24 Ω are connected in parallel. This combination is connected in series with a 22 Ω resistor and a 12 V battery. The current in the 12 Ω resistor is _____.

- Ans
- 1. (8/15) A
 - 2. (6/15) A

Question ID : 96234011416
Option 1 ID : 96234045664
Option 2 ID : 96234045663
Option 3 ID : 96234045661
Option 4 ID : 96234045662
Status : Not Answered
Chosen Option : --

Q.3 Two resistors of $10\ \Omega$ and $20\ \Omega$ are connected in series and this combination is connected across a $30\ \text{V}$ supply voltage.
3 Find the voltage across the $10\ \Omega$ resistor.

- Ans
- 1. $5\ \text{V}$
 - 2. $15\ \text{V}$
 - 3. $20\ \text{V}$
 - 4. $10\ \text{V}$

Question ID : 96234011423
Option 1 ID : 96234045689
Option 2 ID : 96234045692
Option 3 ID : 96234045691
Option 4 ID : 96234045690
Status : Answered
Chosen Option : 4

Q.3 An article was sold for ₹12,000. Had a discount of 15% been offered, a profit of 2% would have been made. What was the
4 cost price?

- Ans
- 1. ₹10,000
 - 2. ₹11,000
 - 3. ₹10,800
 - 4. ₹10,200

Question ID : 96234011429
Option 1 ID : 96234045714
Option 2 ID : 96234045713
Option 3 ID : 96234045715
Option 4 ID : 96234045716
Status : Answered
Chosen Option : 1

Q.3 Find the odd group of letters from the given alternatives.
5

- Ans
- 1. PQR
 - 2. VWX
 - 3. HJL
 - 4. EFG

Question ID : 96234011467
Option 1 ID : 96234045865
Option 2 ID : 96234045867
Option 3 ID : 96234045866
Option 4 ID : 96234045868
Status : Answered
Chosen Option : 3

6 A car covers 400 m in 20 seconds. Find the average speed (in km/hr) of the car.

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Ans 1. 108

2. 124

3. 36

4. 72

Question ID : 96234011419

Option 1 ID : 96234045675

Option 2 ID : 96234045676

Option 3 ID : 96234045673

Option 4 ID : 96234045674

Status : Answered

Chosen Option : 4

Q.3 Two resistors of $2\ \Omega$ and $6\ \Omega$ are connected in series and this combination is connected across a 12 V battery. Find the current in the $6\ \Omega$ resistor.

Ans 1. 0.5 A

2. 2.5 A

3. 3.5 A

4. 1.5 A

Question ID : 96234011424

Option 1 ID : 96234045693

Option 2 ID : 96234045695

Option 3 ID : 96234045696

Option 4 ID : 96234045694

Status : Answered

Chosen Option : 4

Q.3 Reflection of point $(-2, -6)$ on the Y-axis is:

Ans 1. $(2, 6)$

2. $(2, -6)$

3. $(-2, 6)$

4. $(-6, -2)$

Question ID : 96234011438

Option 1 ID : 96234045750

Option 2 ID : 96234045752

Option 3 ID : 96234045749

Option 4 ID : 96234045751

Status : Answered

Chosen Option : 1

Q.3 Given below are some letters, that each of these letters has a corresponding number. Select the combination of numbers from the options so that the jumbled letters arranged accordingly will form a meaningful English word.

HTRUOA
1 2 3 4 5 6

Ans 1. 1,6,2,4,5,3

2. 6,4,2,1,5,3

3. 2,1,5,3,4,6

4. 3,4,5,2,1,6

Question ID : 96234011461

Option 1 ID : 96234045841

Option 2 ID : 96234045844

Q.4 Tap M and N can together fill a cistern in 48/13 minutes. N alone can fill it in 6 minutes. How much time will M alone take to fill the cistern?

0

- Ans**
- 1. 8.6 minutes
 - 2. 9.6 minutes
 - 3. 9.4 minutes
 - 4. 9 minutes

Question ID : 96234011443

Option 1 ID : 96234045772

Option 2 ID : 96234045769

Option 3 ID : 96234045770

Option 4 ID : 96234045771

Status : Not Answered

Chosen Option : --

Q.4 It is mainly due to the gravitational effect of the _____ on the rotating earth that the level of water in the sea rises and falls.

1

- Ans**
- 1. Venus
 - 2. Sun
 - 3. Moon
 - 4. Mercury

Question ID : 96234011388

Option 1 ID : 96234045550

Option 2 ID : 96234045549

Option 3 ID : 96234045552

Option 4 ID : 96234045551

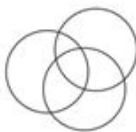
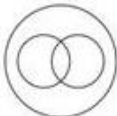
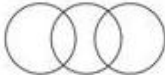
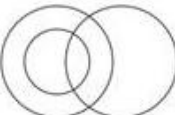
Status : Answered

Chosen Option : 3

Q.4 Which of the following Venn diagrams best represents the relationship between Indians, doctors and women?

2

Ans

- 1. 
- 2. 
- 3. 
- 4. 

Question ID : 96234011464

Option 1 ID : 96234045855

Option 2 ID : 96234045854

Option 3 ID : 96234045853

Q.4 An object weighs X units on the earth. If we take the same object to the moon, its weight there will be _____.

3

- Ans
- 1. zero
 - 2. equal to X
 - 3. less than X
 - 4. more than X

Question ID : 96234011394

Option 1 ID : 96234045576

Option 2 ID : 96234045575

Option 3 ID : 96234045574

Option 4 ID : 96234045573

Status : Answered

Chosen Option : 3

Q.4 RK Narayan is famous for his book _____.

4

- Ans
- 1. A Suitable Boy
 - 2. The Toom on the Roof
 - 3. Malgudi Days
 - 4. Two Lives

Question ID : 96234011382

Option 1 ID : 96234045528

Option 2 ID : 96234045525

Option 3 ID : 96234045527

Option 4 ID : 96234045526

Status : Answered

Chosen Option : 3

Q.4 Molar specific heat capacity of a substance is _____.

5

- Ans
- 1. $\left(\frac{1}{\mu}\right) \left(\frac{\Delta Q}{\Delta T}\right)$
 - 2. $\mu \left(\frac{\Delta Q}{\Delta T}\right)$
 - 3. $\left(\frac{1}{\mu}\right) \left(\frac{\Delta T}{\Delta Q}\right)$
 - 4. $\mu \left(\frac{\Delta T}{\Delta Q}\right)$

Question ID : 96234011403

Option 1 ID : 96234045611

Option 2 ID : 96234045609

Option 3 ID : 96234045610

Option 4 ID : 96234045612

Status : Not Answered

Chosen Option : --

Q.4 If C S D means C is daughter of D, C & D means C is mother of D and C % D means C is son of D, then what does W S X & Y % Z mean?

6

- Ans
- 1. Z is father of W
 - 2. Z is mother of W

Question ID : 96234011458

Option 1 ID : 96234045830

Option 2 ID : 96234045831

Option 3 ID : 96234045832

Option 4 ID : 96234045829

Status : Answered

Chosen Option : 1

Q.4
7 If a body is NOT homogeneous, then its density is a function of its _____.

- Ans
- ~~X~~ 1. velocity
 - ~~X~~ 2. acceleration
 - ~~X~~ 3. pressure
 - ✓ 4. position

Question ID : 96234011392

Option 1 ID : 96234045566

Option 2 ID : 96234045567

Option 3 ID : 96234045568

Option 4 ID : 96234045565

Status : Not Answered

Chosen Option : --

Q.4
8 An object starts from rest at $x = 0$ m and moves with a constant acceleration of 1.6 m/s^2 along the x-axis. During its journey from $x = 12.8$ m to $x = 20.0$ m, its average velocity will be _____.

- Ans
- ✓ 1. 7.2 m/s
 - ~~X~~ 2. 3.6 m/s
 - ~~X~~ 3. 8.8 m/s
 - ~~X~~ 4. 2.4 m/s

Question ID : 96234011413

Option 1 ID : 96234045651

Option 2 ID : 96234045650

Option 3 ID : 96234045652

Option 4 ID : 96234045649

Status : Not Answered

Chosen Option : --

Q.4
9 How many medals did India win in Rio Olympics, 2016?

- Ans
- ✓ 1. 2
 - ~~X~~ 2. 3
 - ~~X~~ 3. 5
 - ~~X~~ 4. 4

Question ID : 96234011376

Option 1 ID : 96234045504

Option 2 ID : 96234045503

Option 3 ID : 96234045502

Option 4 ID : 96234045501

Status : Answered

Chosen Option : 1

Q.5

0 If $x = \sqrt{125} \times \sqrt{30} \times \sqrt{6}$, then x is equal to:

- Ans 1. 150
 2. 175
 3. 125
 4. 136

Question ID : 96234011447
Option 1 ID : 96234045786
Option 2 ID : 96234045787
Option 3 ID : 96234045785
Option 4 ID : 96234045788
Status : Answered
Chosen Option : 1

Q.5 Unscramble the letters in the words given below and find the odd word out.

- 1
Ans 1. FLOW
 2. ERTIG
 3. WCO
 4. ILNO

Question ID : 96234011462
Option 1 ID : 96234045848
Option 2 ID : 96234045846
Option 3 ID : 96234045847
Option 4 ID : 96234045845
Status : Not Answered
Chosen Option : --

Q.5 What is the curved surface area of a hemisphere whose radius is 7 cm? (take $\pi = 22/7$)

- 2
Ans 1. 924 cm²
 2. 308 cm²
 3. 154 cm²
 4. 616 cm²

Question ID : 96234011433
Option 1 ID : 96234045731
Option 2 ID : 96234045730
Option 3 ID : 96234045732
Option 4 ID : 96234045729
Status : Answered
Chosen Option : 2

Q.5 If a machine overcomes a load ' L ' and the distance travelled by the load is ' Ld ', the work done by the load will be _____.

- 3
Ans 1. $L \times Ld$
 2. $\frac{L}{Ld}$
 3. $\frac{Ld}{L}$
 4. $\frac{1}{L \times Ld}$

Question ID : 96234011410
Option 1 ID : 96234045640

Q.5
4 What is the least number which when doubled is perfectly divisible by 7, 12 and 15?

- Ans
- 1. 215
 - 2. 210
 - 3. 214
 - 4. 220

Question ID : 96234011432
Option 1 ID : 96234045727
Option 2 ID : 96234045725
Option 3 ID : 96234045728
Option 4 ID : 96234045726
Status : Answered
Chosen Option : 2

Q.5
5 A brass rod (thermal conductivity 109 J/s m K) has an area of cross section 0.04 m^2 and length 20 cm. If the two end of the rod are maintained at a temperature difference of 200°C , the rate of heat flow through the rod is _____.

- Ans
- 1. 3.42 kJ/s
 - 2. 2.32 kJ/s
 - 3. 4.36 kJ/s
 - 4. 5.80 kJ/s

Question ID : 96234011415
Option 1 ID : 96234045658
Option 2 ID : 96234045657
Option 3 ID : 96234045659
Option 4 ID : 96234045660
Status : Answered
Chosen Option : 3

Q.5
6 A machine was bought for ₹1,500 and a repairing charge of ₹100 was paid afterwards. At what price should it be sold to gain a profit of 25%?

- Ans
- 1. ₹2,040
 - 2. ₹1,920
 - 3. ₹2,000
 - 4. ₹1,960

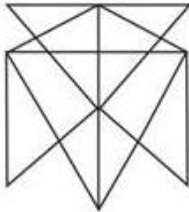
Question ID : 96234011430
Option 1 ID : 96234045720
Option 2 ID : 96234045717
Option 3 ID : 96234045719
Option 4 ID : 96234045718
Status : Answered
Chosen Option : 3

Q.5
7 The effort in a class 1 lever is in _____ direction(s).

- Ans
- 1. three
 - 2. multiple
 - 3. two

Question ID : 96234011412
Option 1 ID : 96234045647
Option 2 ID : 96234045645
Option 3 ID : 96234045646
Option 4 ID : 96234045648
Status : Answered
Chosen Option : 3

Q.5
8 What is the minimum number of lines required to make the given image?



- Ans
- 1. 11
 - 2. 9
 - 3. 10
 - 4. 12

Question ID : 96234011468
Option 1 ID : 96234045871
Option 2 ID : 96234045869
Option 3 ID : 96234045870
Option 4 ID : 96234045872
Status : Answered
Chosen Option : 1

Q.5
9 _____ protection must be worn whenever noise levels exceed the noise exposure standard.

- Ans
- 1. Hearing
 - 2. Head
 - 3. Eye
 - 4. Foot

Question ID : 96234011406
Option 1 ID : 96234045621
Option 2 ID : 96234045624
Option 3 ID : 96234045622
Option 4 ID : 96234045623
Status : Answered
Chosen Option : 1

Q.6
0 Velocity ratio of simple machine is the ratio of distance travelled by the _____ to the distance travelled by the _____ in the machine.

- Ans
- 1. load; load
 - 2. effort; load
 - 3. load; effort
 - 4. effort; effort

Question ID : 96234011409

Status : Answered
 Chosen Option : 3

Q.6 A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

1 OOOOXX, OOOOXX, OOOXXX, OOOXXX, ?

- Ans
- 1. XXXXXXX
 - 2. OOOXXXX
 - 3. OXXXXX
 - 4. OOOXXX

Question ID : 96234011453

Option 1 ID : 96234045811

Option 2 ID : 96234045810

Option 3 ID : 96234045809

Option 4 ID : 96234045812

Status : Answered

Chosen Option : 3

Q.6 Which two signs should be interchanged to make the given equation correct?

2

$$9 \div 3 + 8 \times 2 - 15 = 2$$

- Ans
- 1. \div and -
 - 2. + and -
 - 3. + and \times
 - 4. \times and -

Question ID : 96234011457

Option 1 ID : 96234045827

Option 2 ID : 96234045826

Option 3 ID : 96234045825

Option 4 ID : 96234045828

Status : Answered

Chosen Option : 2

Q.6 A source of voltage V maintains a current i in a circuit. The energy supplied to the circuit by the source in time t is

3 _____.

- Ans
- 1. Vit
 - 2. Vi/t
 - 3. V/it
 - 4. 1/Vit

Question ID : 96234011421

Option 1 ID : 96234045681

Option 2 ID : 96234045683

Option 3 ID : 96234045682

Option 4 ID : 96234045684

Status : Not Answered

Chosen Option : --

Q.6 If straight lines are drawn from various points on the contour of an object to meet a plane, the figure obtained on the plane is called the _____ of the object.

4

- Ans
- 1. development
 - 2. dimensioning

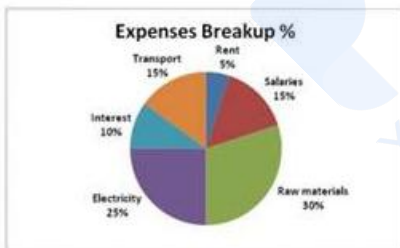
Question ID : 96234011396
Option 1 ID : 96234045583
Option 2 ID : 96234045584
Option 3 ID : 96234045581
Option 4 ID : 96234045582
Status : Answered
Chosen Option : 3

Q.6
5 JPEG stands for _____.

- Ans
- 1. Joint Program Executing Group
 - 2. Joint Program Experimental Group
 - 3. Joint Program Experts Group
 - 4. Joint Photographic Experts Group

Question ID : 96234011408
Option 1 ID : 96234045632
Option 2 ID : 96234045631
Option 3 ID : 96234045629
Option 4 ID : 96234045630
Status : Answered
Chosen Option : 4

Q.6
6 The pie chart shows the breakup in percentages of the various expenses of a Company. Study the diagram and answer the following question.



What is the interest expense if total expenses are ₹25,000 approximately?

- Ans
- 1. ₹1,800
 - 2. ₹9,000
 - 3. ₹2,500
 - 4. ₹5,000

Question ID : 96234011466
Option 1 ID : 96234045864
Option 2 ID : 96234045863
Option 3 ID : 96234045861
Option 4 ID : 96234045862
Status : Answered
Chosen Option : 3

Q.6
7 A 4-digit number $1xy7$ is divisible by 11. What is the value of $x-y$?

- Ans
- 1. - 6

Question ID : 96234011426
Option 1 ID : 96234045701
Option 2 ID : 96234045703
Option 3 ID : 96234045704
Option 4 ID : 96234045702
Status : Not Answered
Chosen Option : --

Q.6 Two resistors of $2\ \Omega$ and $6\ \Omega$ are connected in series and this combination is connected across a 12 V battery. Find the power supplied by the battery.

- Ans 1. 18 W
 2. 16 W
 3. 14 W
 4. 10 W

Question ID : 96234011425
Option 1 ID : 96234045700
Option 2 ID : 96234045699
Option 3 ID : 96234045698
Option 4 ID : 96234045697
Status : Answered
Chosen Option : 1

Q.6 Name the scientist who discovered bacteria.

- Ans 1. Robert Koch
 2. Eugen Goldstein
 3. James Chadwick
 4. AV Leeuwenhoek

Question ID : 96234011378
Option 1 ID : 96234045509
Option 2 ID : 96234045511
Option 3 ID : 96234045510
Option 4 ID : 96234045512
Status : Answered
Chosen Option : 4

Q.7 Who was the first governor of the Reserve Bank of India?

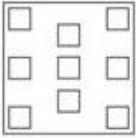
- Ans 1. HVR Iyengar
 2. Sir James Braid Taylor
 3. Sir Osborne A Smith
 4. KR Puri

Question ID : 96234011384
Option 1 ID : 96234045536
Option 2 ID : 96234045535
Option 3 ID : 96234045534
Option 4 ID : 96234045533
Status : Answered
Chosen Option : 3

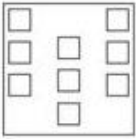
Q.7 Choose the figure that is different from the rest.
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Ans

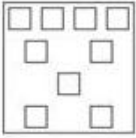
1.



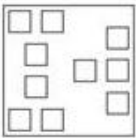
2.



3.



4.



Question ID : 96234011470

Option 1 ID : 96234045878

Option 2 ID : 96234045877

Option 3 ID : 96234045879

Option 4 ID : 96234045880

Status : Answered

Chosen Option : 4

Q.7 A cylindrical wire of length L and radius r has a resistance of R . The resistance of another wire of the same material but thrice its length and one-third its radius will be _____.

2

Ans 1. $27R$

2. $3R$

3. $9R$

4. R

Question ID : 96234011417

Option 1 ID : 96234045665

Option 2 ID : 96234045667

Option 3 ID : 96234045666

Option 4 ID : 96234045668

Status : Answered

Chosen Option : 1

Q.7 You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

3

Question: What was the discount percent offered on the soap by the store?

Statements:

I) The store is giving 1 soap free on purchase of three.

II) ₹10 discount is offered on purchase of soap worth ₹36.

Ans 1. II alone is sufficient while I alone is not sufficient

2. I alone is sufficient while II alone is not sufficient

3. Neither I nor II is sufficient

4. Either I or II is sufficient

Question ID : 96234011465

Option 1 ID : 96234045858

Option 2 ID : 96234045857

Option 3 ID : 96234045860

Q.7 An airplane flies at the speed of 50 m/s. How much distance (in km) will it cover in a flight of 5 hours?

4

- Ans
- 1. 880
 - 2. 850
 - 3. 900
 - 4. 895

Question ID : 96234011434

Option 1 ID : 96234045734

Option 2 ID : 96234045733

Option 3 ID : 96234045736

Option 4 ID : 96234045735

Status : Answered

Chosen Option : 3

Q.7 Given below is a statement followed by two assumptions numbered I and II. You have to decide which of the assumptions is/are implicit in the statement.

5

Statement: The human body produces Vitamin D when exposed to sunlight.

Assumption I: The human body will have Vitamin D even if it is not consumed via food.

Assumption II: A large portion of the global population suffers from Vitamin D deficiency.

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

Question ID : 96234011474

Option 1 ID : 96234045895

Option 2 ID : 96234045896

Option 3 ID : 96234045894

Option 4 ID : 96234045893

Status : Answered

Chosen Option : 4

Q.7 If $\sin \Theta = 15/17$, then $\cot \Theta = ?$

6

- Ans
- 1. $\frac{17}{15}$
 - 2. $\frac{8}{15}$
 - 3. $\frac{8}{17}$
 - 4. $\frac{15}{8}$

Question ID : 96234011441

Option 1 ID : 96234045764

Option 2 ID : 96234045762

Option 3 ID : 96234045763

Option 4 ID : 96234045761

Status : Answered

Chosen Option : 3

Q.7 A sum of ₹2,000 was spent in buying a pair of trousers. The sum spent was $\frac{2}{5}$ th of the total money Shashi had with her.
How much was the total money she had?

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Ans 1. ₹5,000

2. ₹4,000

3. ₹4,250

4. ₹4,750

Question ID : 96234011431

Option 1 ID : 96234045724

Option 2 ID : 96234045721

Option 3 ID : 96234045722

Option 4 ID : 96234045723

Status : Answered

Chosen Option : 1

Q.7
8 Which one of these is a harvest festival?

Ans 1. Onam

2. Janmashtami

3. Deepawali

4. Teej

Question ID : 96234011377

Option 1 ID : 96234045506

Option 2 ID : 96234045505

Option 3 ID : 96234045507

Option 4 ID : 96234045508

Status : Answered

Chosen Option : 1

Q.7
9 If $5050 \times 0.5x = 25250$, then $2505 \div x^2 = ?$

Ans 1. 250.5

2. 2.505

3. 0.2505

4. 25.05

Question ID : 96234011428

Option 1 ID : 96234045712

Option 2 ID : 96234045709

Option 3 ID : 96234045711

Option 4 ID : 96234045710

Status : Not Answered

Chosen Option : --

Q.8
0 Identify the material having low coefficient of volume expansion

Ans 1. Iron

2. Mercury

3. Brass

4. Aluminium

Question ID : 96234011401

Option 1 ID : 96234045603

Option 2 ID : 96234045601

Option 3 ID : 96234045602

Q.8
1 $\sec 45^\circ - \tan 60^\circ = ?$

Ans 1. $-\sqrt{3} - \sqrt{2}$

2. $\frac{\sqrt{3}}{2}$

3. $\sqrt{3} + \sqrt{2}$

4. $-\sqrt{3} + \sqrt{2}$

Question ID : 96234011440

Option 1 ID : 96234045760

Option 2 ID : 96234045759

Option 3 ID : 96234045757

Option 4 ID : 96234045758

Status : Answered

Chosen Option : 4

Q.8
2 A number is as much greater than 50 as it is lesser than 84. What is the number?

Ans 1. 65

2. 67

3. 68

4. 66

Question ID : 96234011436

Option 1 ID : 96234045741

Option 2 ID : 96234045743

Option 3 ID : 96234045744

Option 4 ID : 96234045742

Status : Answered

Chosen Option : 2

Q.8
3 The volume of a given amount of water _____ between 0°C to 4°C .

Ans 1. is zero

2. decreases

3. increases

4. remains constant

Question ID : 96234011391

Option 1 ID : 96234045563

Option 2 ID : 96234045561

Option 3 ID : 96234045564

Option 4 ID : 96234045562

Status : Answered

Chosen Option : 2

Q.8
4 In engineering drawing, the letters LH signifies _____.

Ans 1. Level Hide

2. Left Hand

3. Low Heat

Question ID : 96234011399
Option 1 ID : 96234045594
Option 2 ID : 96234045596
Option 3 ID : 96234045593
Option 4 ID : 96234045595
Status : Answered
Chosen Option : 2

Q.8
5 What is 80% of 50% of 90?

- Ans
- 1. 30
 - 2. 36
 - 3. 32
 - 4. 34

Question ID : 96234011445
Option 1 ID : 96234045777
Option 2 ID : 96234045780
Option 3 ID : 96234045778
Option 4 ID : 96234045779
Status : Answered
Chosen Option : 2

Q.8
6 A wire of length l and radius r has a resistance R . The resistance of another wire made of the same material but having half its length and half its radius will be ____.

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

Question ID : 96234011422
Option 1 ID : 96234045685
Option 2 ID : 96234045687
Option 3 ID : 96234045688
Option 4 ID : 96234045686
Status : Answered
Chosen Option : 4

Q.8
7 Kuchipudi has its roots in which Indian State?

- Ans
- 1. Arunachal Pradesh
 - 2. Himachal Pradesh
 - 3. Andhra Pradesh
 - 4. Kerala

Question ID : 96234011385
Option 1 ID : 96234045537
Option 2 ID : 96234045540
Option 3 ID : 96234045538
Option 4 ID : 96234045539
Status : Answered
Chosen Option : 4

Q.8
8 Safety boots or shoes must be worn in designated areas to protect your _____ from falling objects.

- Ans
- 1. ear

2. eye
4. head

Question ID : 96234011405
Option 1 ID : 96234045617
Option 2 ID : 96234045618
Option 3 ID : 96234045619
Option 4 ID : 96234045620
Status : Answered
Chosen Option : 3

Q.8 Pipes A and B can fill a tank in 12 minutes and 16 minutes respectively. Both A and B are opened for 4 minutes and then A is closed. How much extra time will B take to fill the tank completely?

- Ans
- 1. $\frac{21}{4}$ minutes
 - 2. $\frac{20}{3}$ minutes
 - 3. 6 minutes
 - 4. 7 minutes

Question ID : 96234011442
Option 1 ID : 96234045768
Option 2 ID : 96234045766
Option 3 ID : 96234045767
Option 4 ID : 96234045765
Status : Answered
Chosen Option : 2

Q.9 The Ajanta Caves in Maharashtra feature paintings and sculptures that depict _____ tales?

- Ans
- 1. Arabic
 - 2. Maratha
 - 3. Buddhist
 - 4. Islamic

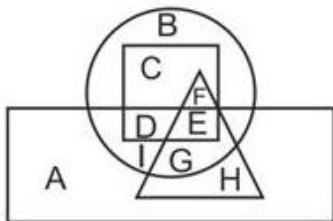
Question ID : 96234011380
Option 1 ID : 96234045520
Option 2 ID : 96234045517
Option 3 ID : 96234045518
Option 4 ID : 96234045519
Status : Answered
Chosen Option : 3

Q.9 Identify the material having high coefficient of volume expansion.

- Ans
- 1. Brass
 - 2. Alcohol
 - 3. Glass
 - 4. Water

Question ID : 96234011400
Option 1 ID : 96234045600
Option 2 ID : 96234045597
Option 3 ID : 96234045599
Option 4 ID : 96234045598
Status : Not Answered

- Q.9
2 In the following figure, square represents Chinese, triangle represents dancers, circle represents male and rectangle represents architects. Which set of letters represents dancers who are male?



- Ans
- 1. DEIG
 - 2. DEF
 - 3. GEF
 - 4. IGH

Question ID : 96234011463

Option 1 ID : 96234045849

Option 2 ID : 96234045851

Option 3 ID : 96234045850

Option 4 ID : 96234045852

Status : Answered

Chosen Option : 3

- Q.9
3 A body starts from rest. Its displacement is proportional to _____ when its acceleration is constant.

- Ans
- 1. time
 - 2. velocity
 - 3. work
 - 4. time squared

Question ID : 96234011418

Option 1 ID : 96234045670

Option 2 ID : 96234045672

Option 3 ID : 96234045671

Option 4 ID : 96234045669

Status : Answered

Chosen Option : 4

- Q.9
4 A software program that has been developed to harm other computers is called a/an _____.

- Ans
- 1. LAN
 - 2. server
 - 3. malware
 - 4. operating system

Question ID : 96234011407

Option 1 ID : 96234045628

Option 2 ID : 96234045627

Option 3 ID : 96234045625

Option 4 ID : 96234045626

Status : Answered

Chosen Option : 3

5 So F is equal to _____ .

- Ans
- 1. 30°C
 - 2. 20°C
 - 3. 34°C
 - 4. 10°C

Question ID : 96234011402

Option 1 ID : 96234045607

Option 2 ID : 96234045606

Option 3 ID : 96234045608

Option 4 ID : 96234045605

Status : Answered

Chosen Option : 1

Q.9
6 Where is the Headquarters of UNESCO located?

- Ans
- 1. Washington DC
 - 2. Geneva
 - 3. Paris
 - 4. New York City

Question ID : 96234011383

Option 1 ID : 96234045531

Option 2 ID : 96234045529

Option 3 ID : 96234045532

Option 4 ID : 96234045530

Status : Answered

Chosen Option : 3

Q.9
7 A got ₹80 as his share of profit where the total profit was ₹240 and the ratio of profit distribution between A and B was x : 2. What is the value of x?

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

Question ID : 96234011444

Option 1 ID : 96234045775

Option 2 ID : 96234045773

Option 3 ID : 96234045776

Option 4 ID : 96234045774

Status : Answered

Chosen Option : 2

Q.9
8 If G + H means G is daughter of H, G - H means G is sister H and G * H means G is husband of H, which of the following shows that I is the daughter of H?

- Ans
- 1. I - J + F * H
 - 2. I + J - F * H
 - 3. I * J - F + H
 - 4. I - J * F + H

Question ID : 96234011459

Option 1 ID : 96234045834

Option 2 ID : 96234045835

Q.9 In a code language, 295 means 'water is liquid', 549 means 'oil is liquid' and 824 means 'oil on water'. Find the code for 'on'.

9

- Ans
- 1. 2
 - 2. 4
 - 3. 5
 - 4. 8

Question ID : 96234011455
Option 1 ID : 96234045818
Option 2 ID : 96234045817
Option 3 ID : 96234045819
Option 4 ID : 96234045820
Status : Answered
Chosen Option : 4

Q.1 Name the painter of the famous painting, 'Mahishasura'.

00

- Ans
- 1. Amrita Sher-Gil
 - 2. Tyeb Mehta
 - 3. Raja Ravi Verma
 - 4. MF Hussain

Question ID : 96234011379
Option 1 ID : 96234045513
Option 2 ID : 96234045516
Option 3 ID : 96234045514
Option 4 ID : 96234045515
Status : Not Answered
Chosen Option : --

Section : Mechanic Diesel

Q.1 A cylinder block of a two wheeler engine is generally made up of which metal?

- Ans
- 1. Cast iron
 - 2. Copper
 - 3. Aluminium
 - 4. Iron

Question ID : 96234011480
Option 1 ID : 96234045919
Option 2 ID : 96234045920
Option 3 ID : 96234045917
Option 4 ID : 96234045918
Status : Answered
Chosen Option : 1

Q.2 Where is a thermostat valve connected in a pressured water cooling system?

- Ans
- 1. Water jacket
 - 2. Water outlet elbow

Question ID : 96234011532
Option 1 ID : 96234046127
Option 2 ID : 96234046126
Option 3 ID : 96234046125
Option 4 ID : 96234046128
Status : Answered
Chosen Option : 3

Q.3 Where is the temperature gauge located in a vehicle, which indicates the temperature of the engine's coolant or water?

- Ans
- 1. Steering
 - 2. Radiator
 - 3. Engine
 - 4. Dashboard

Question ID : 96234011539
Option 1 ID : 96234046153
Option 2 ID : 96234046156
Option 3 ID : 96234046155
Option 4 ID : 96234046154
Status : Answered
Chosen Option : 4

Q.4 Which type of fuel feed pump is used in conventional inline fuel injection pumps?

- Ans
- 1. Gear type
 - 2. Plunger type
 - 3. Vane type
 - 4. Electrical type

Question ID : 96234011546
Option 1 ID : 96234046183
Option 2 ID : 96234046181
Option 3 ID : 96234046182
Option 4 ID : 96234046184
Status : Answered
Chosen Option : 1

Q.5 How much more power is available in an engine after fitting the turbo super charger?

- Ans
- 1. 50% to 60%
 - 2. 20% to 30%
 - 3. 10% to 15%
 - 4. 25% to 40%

Question ID : 96234011523
Option 1 ID : 96234046092
Option 2 ID : 96234046090
Option 3 ID : 96234046089
Option 4 ID : 96234046091
Status : Not Answered
Chosen Option : --

Q.6 Compression pressure of a diesel engine is _____

3. 350 to 450 PSI

4. 450 to 600 PSI

Question ID : 96234011504

Option 1 ID : 96234046016

Option 2 ID : 96234046015

Option 3 ID : 96234046014

Option 4 ID : 96234046013

Status : Answered

Chosen Option : 2

Q.7 Which metal is a radiator generally made up of?

Ans 1. Steel

2. Copper

3. Iron

4. Cast iron

Question ID : 96234011531

Option 1 ID : 96234046124

Option 2 ID : 96234046121

Option 3 ID : 96234046122

Option 4 ID : 96234046123

Status : Answered

Chosen Option : 2

Q.8 The gap between the inside diameter of an installed bearing and the outside diameter of the crankshaft journal is called _____.

Ans 1. Valve clearance

2. Part clearance

3. Oil clearance

4. Tappet clearance

Question ID : 96234011541

Option 1 ID : 96234046163

Option 2 ID : 96234046161

Option 3 ID : 96234046162

Option 4 ID : 96234046164

Status : Not Answered

Chosen Option : --

Q.9 How many compression rings are fitted in a piston for proper functioning of a compression stroke?

Ans 1. 6

2. 2

3. 4

4. 8

Question ID : 96234011487

Option 1 ID : 96234045947

Option 2 ID : 96234045945

Option 3 ID : 96234045946

Option 4 ID : 96234045948

Status : Answered

Chosen Option : 2

Q.1 In a diesel engine during the exhaust stroke, what is emitted out of the tail pipe?

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- Ans
- 1. NO_x
 - 2. CO₂
 - 3. CO
 - 4. N₂

Question ID : 96234011508
Option 1 ID : 96234046032
Option 2 ID : 96234046029
Option 3 ID : 96234046030
Option 4 ID : 96234046031
Status : Answered
Chosen Option : 3

Q.1 The small hole present on the body of a pintaux nozzle is called:

- 1
- Ans
- 1. the main hole
 - 2. the sub-hole
 - 3. the auxiliary hole
 - 4. the vibrated hole

Question ID : 96234011537
Option 1 ID : 96234046147
Option 2 ID : 96234046148
Option 3 ID : 96234046146
Option 4 ID : 96234046145
Status : Not Answered
Chosen Option : --

Q.1 In which of the following circuits, a solenoid switch is used?

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

Question ID : 96234011481
Option 1 ID : 96234045923
Option 2 ID : 96234045924
Option 3 ID : 96234045922
Option 4 ID : 96234045921
Status : Answered
Chosen Option : 4

Q.1 Quantity of fuel and its timing is controlled by _____.

- 3
- Ans
- 1. Feed Pump
 - 2. Oil pump
 - 3. Fuel Injection Pump
 - 4. AC mechanical fuel pump

Question ID : 96234011493
Option 1 ID : 96234045969
Option 2 ID : 96234045972

Q.1
4 A commutator is made of which of the following?

- Ans
- 1. Aluminium segments
 - 2. Iron segments
 - 3. Brass segments
 - 4. Copper segments

Question ID : 96234011550

Option 1 ID : 96234046200

Option 2 ID : 96234046197

Option 3 ID : 96234046198

Option 4 ID : 96234046199

Status : Not Answered

Chosen Option : --

Q.1
5 Valve clearance is also called as _____.

- Ans
- 1. tappet lifting
 - 2. valve lifter
 - 3. tappet
 - 4. tappet clearance

Question ID : 96234011529

Option 1 ID : 96234046116

Option 2 ID : 96234046115

Option 3 ID : 96234046113

Option 4 ID : 96234046114

Status : Answered

Chosen Option : 4

Q.1
6 Which part of a sump in an engine indicates the level of the oil?

- Ans
- 1. Feeler gauge
 - 2. Plastic gauge
 - 3. Dip stick
 - 4. Oil pressure gauge

Question ID : 96234011533

Option 1 ID : 96234046129

Option 2 ID : 96234046130

Option 3 ID : 96234046132

Option 4 ID : 96234046131

Status : Answered

Chosen Option : 3

Q.1
7 Main function of a lubricant is to _____.

- Ans
- 1. maintain wetness between two moving parts.
 - 2. To improve the aesthetic look of the parts

3. To increase the hardness of the parts with which it is in contact

- ✓ 4. minimise the friction between two moving parts.

Question ID : 96234011534
Option 1 ID : 96234046136
Option 2 ID : 96234046133
Option 3 ID : 96234046134
Option 4 ID : 96234046135
Status : Answered
Chosen Option : 4

Q.1
8 During the compression stroke in four-stroke cycle engine _____.

- Ans
- ✓ 1. both the valves close
 - ✗ 2. inlet opens, exhaust closes
 - ✗ 3. both the valves open
 - ✗ 4. exhaust opens and inlet closes

Question ID : 96234011506
Option 1 ID : 96234046022
Option 2 ID : 96234046023
Option 3 ID : 96234046021
Option 4 ID : 96234046024
Status : Answered
Chosen Option : 1

Q.1
9 Compression ratio of a diesel engine is _____

- Ans
- ✗ 1. 24 : 1 to 30 : 1
 - ✗ 2. 15 : 1 to 19 : 1
 - ✗ 3. 10 : 1 to 12 : 1
 - ✓ 4. 16 : 1 to 24 : 1

Question ID : 96234011505
Option 1 ID : 96234046018
Option 2 ID : 96234046020
Option 3 ID : 96234046017
Option 4 ID : 96234046019
Status : Answered
Chosen Option : 4

Q.2
0 Which of the following is NOT a property of a lubricant?

- Ans
- ✓ 1. Ash point
 - ✗ 2. Flash point
 - ✗ 3. Pour point
 - ✗ 4. Fire point

Question ID : 96234011490
Option 1 ID : 96234045957
Option 2 ID : 96234045958
Option 3 ID : 96234045960
Option 4 ID : 96234045959
Status : Answered
Chosen Option : 1

Q.1 The combustion chambers are used in which of the following?

- Ans
- 1. Direct injection (DI) engines
 - 2. Indirect injection (IDI) engines
 - 3. Multi-point fuel injection (MPFI) engines
 - 4. Common rail direct injection (CRDi) engines

Question ID : 96234011545
Option 1 ID : 96234046177
Option 2 ID : 96234046178
Option 3 ID : 96234046179
Option 4 ID : 96234046180
Status : Not Answered
Chosen Option : --

Q.2
2 A pressure relief valve is fitted in between a/an _____.

- Ans
- 1. oil pump and filter
 - 2. oil strainer and filter
 - 3. oil strainer and oil pump
 - 4. main oil gallery and filter

Question ID : 96234011516
Option 1 ID : 96234046063
Option 2 ID : 96234046062
Option 3 ID : 96234046061
Option 4 ID : 96234046064
Status : Answered
Chosen Option : 1

Q.2
3 SAE stands for _____.

- Ans
- 1. Society of American Engineer
 - 2. Society of Atomic Energy
 - 3. Society of Automobile Industry
 - 4. Society of Automobile Engineer

Question ID : 96234011515
Option 1 ID : 96234046059
Option 2 ID : 96234046057
Option 3 ID : 96234046058
Option 4 ID : 96234046060
Status : Answered
Chosen Option : 4

Q.2
4 The meaning of calibration of injection pump is that what a plunger supply in full quantity to cylinders. Choose the best option among the following.

- Ans
- 1. Power
 - 2. Fuel
 - 3. Compression
 - 4. Pressure

Question ID : 96234011543
Option 1 ID : 96234046172

Status : Answered
Chosen Option : 2Q.2
5 Generally the piston rings are made of _____.

- Ans
- 1. cast iron
 - 2. wrought iron
 - 3. high carbon steel
 - 4. medium carbon steel

Question ID : 96234011524
Option 1 ID : 96234046094
Option 2 ID : 96234046093
Option 3 ID : 96234046096
Option 4 ID : 96234046095
Status : Answered
Chosen Option : 1Q.2
6 Which filtering material is used in a secondary fuel filter?

- Ans
- 1. Plastic
 - 2. Felt
 - 3. Cloth
 - 4. Paper

Question ID : 96234011536
Option 1 ID : 96234046143
Option 2 ID : 96234046142
Option 3 ID : 96234046144
Option 4 ID : 96234046141
Status : Answered
Chosen Option : 4Q.2
7 Which type of regulator is used in an alternator?

- Ans
- 1. Cut out regulator
 - 2. Sealed regulator
 - 3. Open type
 - 4. Charging regulator

Question ID : 96234011496
Option 1 ID : 96234045982
Option 2 ID : 96234045983
Option 3 ID : 96234045981
Option 4 ID : 96234045984
Status : Not Answered
Chosen Option : --Q.2
8 A secondary filter of a diesel fuel system is made by which material?

- Ans
- 1. Cotton
 - 2. Brass
 - 3. Paper

Question ID : 96234011494
Option 1 ID : 96234045976
Option 2 ID : 96234045974
Option 3 ID : 96234045975
Option 4 ID : 96234045973
Status : Answered
Chosen Option : 3

Q.2
9 A turbo charger is driven by whom?

- Ans
- 1. Crank pulley
 - 2. Exhaust gas pressure
 - 3. Cam shaft
 - 4. Gear box

Question ID : 96234011492
Option 1 ID : 96234045965
Option 2 ID : 96234045968
Option 3 ID : 96234045966
Option 4 ID : 96234045967
Status : Answered
Chosen Option : 2

Q.3
0 A wet type air cleaner is also known as a/an _____.

- Ans
- 1. oil bath air cleaner
 - 2. paper type air cleaner
 - 3. cloth type air cleaner
 - 4. dry type air cleaner

Question ID : 96234011517
Option 1 ID : 96234046065
Option 2 ID : 96234046067
Option 3 ID : 96234046068
Option 4 ID : 96234046066
Status : Answered
Chosen Option : 1

Q.3
1 Connecting rod is made of which material?

- Ans
- 1. Aluminium
 - 2. Cast iron
 - 3. Iron
 - 4. Forged steel

Question ID : 96234011488
Option 1 ID : 96234045951
Option 2 ID : 96234045949
Option 3 ID : 96234045952
Option 4 ID : 96234045950
Status : Answered
Chosen Option : 4

Q.3
2 Valve spring tension test is conducted by which equipment?

- 1. Spring tension tester
- 2. Scale
- 3. Hydraulic press
- 4. Torque wrench

Question ID : 96234011486
Option 1 ID : 96234045943
Option 2 ID : 96234045944
Option 3 ID : 96234045942
Option 4 ID : 96234045941
Status : Not Answered
Chosen Option : --

Q.3
3 Allen key is also known as a/an _____.

- Ans 1. hollow set screw wrench
- 2. open end wrench
 - 3. pipe wrench
 - 4. adjustable wrench

Question ID : 96234011498
Option 1 ID : 96234045990
Option 2 ID : 96234045989
Option 3 ID : 96234045991
Option 4 ID : 96234045992
Status : Not Answered
Chosen Option : --

Q.3
4 A four-stroke cycle engine produces one power stroke in _____.

- Ans 1. four revolutions of a crankshaft
- 2. two revolutions of a crankshaft
 - 3. three revolutions of a crankshaft
 - 4. one revolution of a crankshaft

Question ID : 96234011507
Option 1 ID : 96234046028
Option 2 ID : 96234046025
Option 3 ID : 96234046027
Option 4 ID : 96234046026
Status : Answered
Chosen Option : 2

Q.3
5 The exhaust manifold is connected to the cylinder head of an engine by _____.

- Ans 1. a cork sheet gasket
- 2. a copper gasket
 - 3. a fibre gasket
 - 4. an asbestos gasket

Question ID : 96234011544
Option 1 ID : 96234046174
Option 2 ID : 96234046173
Option 3 ID : 96234046175
Option 4 ID : 96234046176

Q.3
6 The material of an inlet valve is _____.

- Ans
- 1. chrome vanadium steel
 - 2. silicon chrome alloy
 - 3. stainless steel
 - 4. nickel chromium alloy steel

Question ID : 96234011509
Option 1 ID : 96234046035
Option 2 ID : 96234046033
Option 3 ID : 96234046036
Option 4 ID : 96234046034
Status : Answered
Chosen Option : 2

Q.3
7 What that period is called in which both, the exhaust valve and the inlet valve remain open?

- Ans
- 1. Open lap
 - 2. Over lap
 - 3. Closed lap
 - 4. Over sap

Question ID : 96234011527
Option 1 ID : 96234046105
Option 2 ID : 96234046108
Option 3 ID : 96234046107
Option 4 ID : 96234046106
Status : Answered
Chosen Option : 2

Q.3
8 The simplest type of a seam is a _____.

- Ans
- 1. double seam
 - 2. double groove seam
 - 3. groove seam
 - 4. lap seam

Question ID : 96234011500
Option 1 ID : 96234045998
Option 2 ID : 96234046000
Option 3 ID : 96234045997
Option 4 ID : 96234045999
Status : Not Answered
Chosen Option : --

Q.3
9 In an alternator, which part converts AC to DC supply?

- Ans
- 1. Commutator
 - 2. Pole shoe
 - 3. Diode rectifier
 - 4. Carbon brush

Question ID : 96234011521
Option 1 ID : 9623404608
Option 2 ID : 96234046083
Option 3 ID : 96234046082
Option 4 ID : 96234046081
Status : Answered
Chosen Option : 3

Q.4
0 The firing order of a four-cylinder engine is _____

- Ans
- 1. 1 - 3 - 2 - 4
 - 2. 1 - 3 - 4 - 2
 - 3. 1 - 2 - 3 - 4
 - 4. 1 - 4 - 2 - 3

Question ID : 96234011513
Option 1 ID : 96234046049
Option 2 ID : 96234046050
Option 3 ID : 96234046052
Option 4 ID : 96234046051
Status : Answered
Chosen Option : 4

Q.4
1 Clutch is a part of:

- Ans
- 1. the lubrication system
 - 2. the transmission system
 - 3. the exhaust system
 - 4. the suspension system

Question ID : 96234011548
Option 1 ID : 96234046190
Option 2 ID : 96234046191
Option 3 ID : 96234046192
Option 4 ID : 96234046189
Status : Answered
Chosen Option : 2

Q.4
2 Which type of thermostat is most commonly used in modern automobiles?

- Ans
- 1. Bellow type
 - 2. Bi-metal type
 - 3. Wax type
 - 4. Plunger type

Question ID : 96234011540
Option 1 ID : 96234046157
Option 2 ID : 96234046158
Option 3 ID : 96234046159
Option 4 ID : 96234046160
Status : Answered
Chosen Option : 1

Q.4
3 In a turbocharger, the turbine wheel housing is connected to:

- Ans
- 1. the flywheel side

- 2. the front of the engine block
- 3. the intake manifold
- 4. the exhaust manifold

Question ID : 96234011547

Option 1 ID : 96234046187

Option 2 ID : 96234046186

Option 3 ID : 96234046185

Option 4 ID : 96234046188

Status : Answered

Chosen Option : 4

Q.4
4 What is the task of an EGR valve?

- Ans
- 1. To reduce HC
 - 2. To reduce NO_x
 - 3. To reduce CO₂
 - 4. To reduce N₂

Question ID : 96234011520

Option 1 ID : 96234046080

Option 2 ID : 96234046079

Option 3 ID : 96234046078

Option 4 ID : 96234046077

Status : Not Answered

Chosen Option : --

Q.4
5 Opening and closing of valves in relation to piston movement is called ____.

- Ans
- 1. valve relacing
 - 2. valve grinding
 - 3. valve lapping
 - 4. valve timing

Question ID : 96234011512

Option 1 ID : 96234046046

Option 2 ID : 96234046048

Option 3 ID : 96234046045

Option 4 ID : 96234046047

Status : Answered

Chosen Option : 4

Q.4
6 The two screws fitted over the fuel filter are called _____.

- Ans
- 1. knurling screws
 - 2. bleeding screws
 - 3. cutting screws
 - 4. feeding screws

Question ID : 96234011538

Option 1 ID : 96234046152

Option 2 ID : 96234046149

Option 3 ID : 96234046151

Option 4 ID : 96234046150

Status : Answered

Q.4
7 How a turbine is rotated in a turbo-charger?

- Ans
- 1. By Exit gases from muffler
 - 2. By Exit gases from tail pipe
 - 3. By exhaust gas of exhaust manifold
 - 4. By gases from catalytic converter

Question ID : 96234011522

Option 1 ID : 96234046085

Option 2 ID : 96234046087

Option 3 ID : 96234046086

Option 4 ID : 96234046088

Status : Answered

Chosen Option : 3

Q.4
8 What is the full form of CRDI?

- Ans
- 1. Common Rail Duo Injection
 - 2. Common Rail Direct Injection
 - 3. Common Rail Dual Injection
 - 4. Common Rail Digital Injection

Question ID : 96234011519

Option 1 ID : 96234046075

Option 2 ID : 96234046076

Option 3 ID : 96234046073

Option 4 ID : 96234046074

Status : Answered

Chosen Option : 2

Q.4
9 The ratio of total volume of cylinder to its clearance volume is known as _____.

- Ans
- 1. compression ratio
 - 2. clearance volume
 - 3. swept volume
 - 4. compression pressure

Question ID : 96234011511

Option 1 ID : 96234046041

Option 2 ID : 96234046043

Option 3 ID : 96234046044

Option 4 ID : 96234046042

Status : Answered

Chosen Option : 1

Q.5
0 Inline engines give better balancing and more uniform _____.

- Ans
- 1. torque
 - 2. efficiency
 - 3. energy
 - 4. speed

Q.5
1 Which type of oil pump is used in stationary diesel engines?

- Ans
- 1. Rotary type
 - 2. Plunger type
 - 3. Vane type
 - 4. Gear type

Question ID : 96234011542
Option 1 ID : 96234046167
Option 2 ID : 96234046165
Option 3 ID : 96234046168
Option 4 ID : 96234046166
Status : Not Answered
Chosen Option : --

Q.5
2 In which type of a lubrication system, oil pump lifts the oil from a sump and passes it into a filter and then into the main galley?

- Ans
- 1. Petrol mix lubrication
 - 2. Full flow
 - 3. Bypass
 - 4. Gravity feed lubrication

Question ID : 96234011491
Option 1 ID : 96234045962
Option 2 ID : 96234045964
Option 3 ID : 96234045961
Option 4 ID : 96234045963
Status : Not Answered
Chosen Option : --

Q.5
3 Ring expander tool is used for fitting a _____.

- Ans
- 1. piston ring
 - 2. connecting rod
 - 3. crankshaft
 - 4. piston

Question ID : 96234011483
Option 1 ID : 96234045931
Option 2 ID : 96234045932
Option 3 ID : 96234045930
Option 4 ID : 96234045929
Status : Answered
Chosen Option : 1

Q.5
4 In the common rail direct injection system, the injectors are opened and closed by:

- Ans
- 1. a reed valve

- 2. a CB point
- 3. a poppet valve
- 4. a solenoid valve

Question ID : **96234011549**
Option 1 ID : **96234046195**
Option 2 ID : **96234046196**
Option 3 ID : **96234046194**
Option 4 ID : **96234046193**
Status : **Not Answered**
Chosen Option : --

Q.5
5 How are exhaust gases emitted out of the oil sump in diesel engines?

- Ans
- 1. Through the oil cooler
 - 2. Through the oil filter
 - 3. Through the air cleaner
 - 4. Through the breather pipe

Question ID : **96234011535**
Option 1 ID : **96234046140**
Option 2 ID : **96234046139**
Option 3 ID : **96234046138**
Option 4 ID : **96234046137**
Status : **Answered**
Chosen Option : 4

Q.5
6 A valve seat is ground by which equipment?

- Ans
- 1. Surface grinder
 - 2. Portable grinder
 - 3. Grinder
 - 4. Special type of valve seat refacer

Question ID : **96234011485**
Option 1 ID : **96234045940**
Option 2 ID : **96234045938**
Option 3 ID : **96234045937**
Option 4 ID : **96234045939**
Status : **Not Answered**
Chosen Option : --

Q.5
7 The time before which the valve opens is called _____

- Ans
- 1. Lapping
 - 2. Valve lead
 - 3. Over lap
 - 4. Valve gap

Question ID : **96234011477**
Option 1 ID : **96234045905**
Option 2 ID : **96234045907**
Option 3 ID : **96234045908**
Option 4 ID : **96234045906**
Status : **Answered**

Q.5
8 On which angle a valve is generally placed on head?

- Ans
- 1. 30°
 - 2. 45°
 - 3. 15°
 - 4. 90°

Question ID : 96234011530

Option 1 ID : 96234046118

Option 2 ID : 96234046119

Option 3 ID : 96234046117

Option 4 ID : 96234046120

Status : Answered

Chosen Option : 2

Q.5
9 The distance between the centre line of front & rear wheels from side view is _____.

- Ans
- 1. Wheel base
 - 2. Rear overhung
 - 3. Wheel track
 - 4. Front Overhung

Question ID : 96234011497

Option 1 ID : 96234045988

Option 2 ID : 96234045987

Option 3 ID : 96234045985

Option 4 ID : 96234045986

Status : Answered

Chosen Option : 1

Q.6
0 When a piston is at BDC, the clearance between cylinder head to piston head is known as _____

- Ans
- 1. clearance volume
 - 2. piston displacement
 - 3. swept volume
 - 4. total volume

Question ID : 96234011510

Option 1 ID : 96234046037

Option 2 ID : 96234046039

Option 3 ID : 96234046038

Option 4 ID : 96234046040

Status : Answered

Chosen Option : 1

Q.6
1 When a valve stays open late it is known as _____.

- Ans
- 1. valve overlap
 - 2. valve lag
 - 3. valve lead
 - 4. valve duration

Question ID : 96234011484

Option 1 ID : 96234045935

Q.6
2 For cleaning the dirt on a welding bead, which tool is used?

- Ans
- 1. Chipping hammer
 - 2. Brush
 - 3. Painting brush
 - 4. Hammer

Question ID : 96234011482
Option 1 ID : 96234045927
Option 2 ID : 96234045926
Option 3 ID : 96234045928
Option 4 ID : 96234045925
Status : Not Answered
Chosen Option : --

Q.6
3 In a water cooling system the thermostat opens at _____

- Ans
- 1. 100° C
 - 2. 90° C
 - 3. 85° C
 - 4. 91° C

Question ID : 96234011514
Option 1 ID : 96234046055
Option 2 ID : 96234046053
Option 3 ID : 96234046054
Option 4 ID : 96234046056
Status : Answered
Chosen Option : 3

Q.6
4 A _____ is used to check the specific gravity of a battery.

- Ans
- 1. voltmeter
 - 2. multimeter
 - 3. hydrometer
 - 4. cell tester

Question ID : 96234011501
Option 1 ID : 96234046001
Option 2 ID : 96234046004
Option 3 ID : 96234046003
Option 4 ID : 96234046002
Status : Answered
Chosen Option : 3

Q.6
5 What is the name of the middle part of a connecting rod which connects the head and the big end?

- Ans
- 1. Neck
 - 2. Shank
 - 3. Tank

Option 1 ID : 96234046111
Option 2 ID : 96234046109
Option 3 ID : 96234046110
Option 4 ID : 96234046112
Status : Answered
Chosen Option : 2

Q.6
6 Which engine has a maximum fuel efficiency?

- Ans
- 1. Radial engine
 - 2. Inline engine
 - 3. 'V' engine
 - 4. Opposed engine

Question ID : 96234011503
Option 1 ID : 96234046011
Option 2 ID : 96234046010
Option 3 ID : 96234046009
Option 4 ID : 96234046012
Status : Answered
Chosen Option : 1

Q.6
7 Which type of starting system needs compressed air?

- Ans
- 1. Air starting method
 - 2. Manual starting method
 - 3. Gasoline engine starting method
 - 4. Electric starting method

Question ID : 96234011495
Option 1 ID : 96234045979
Option 2 ID : 96234045977
Option 3 ID : 96234045980
Option 4 ID : 96234045978
Status : Answered
Chosen Option : 1

Q.6
8 A cylinder block manufactured in a single piece is called a _____.

- Ans
- 1. Inverted Cylinder
 - 2. Try cylinder
 - 3. Monoblock cylinder
 - 4. Flat Cylinder

Question ID : 96234011525
Option 1 ID : 96234046099
Option 2 ID : 96234046100
Option 3 ID : 96234046098
Option 4 ID : 96234046097
Status : Answered
Chosen Option : 3

9 Which tool should be used for fitting a ring in a piston?

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Ans

- 1. Ring expander tool
- 2. Pipe wrench
- 3. Ring screwdriver
- 4. Plier

Question ID : 96234011526

Option 1 ID : 96234046102

Option 2 ID : 96234046103

Option 3 ID : 96234046101

Option 4 ID : 96234046104

Status : Answered

Chosen Option : 1

Q.7 The portion which joins a main journal and a crankpin is called the _____

Ans

- 1. web
- 2. balance weight
- 3. throw
- 4. crank Journal

Question ID : 96234011489

Option 1 ID : 96234045956

Option 2 ID : 96234045954

Option 3 ID : 96234045953

Option 4 ID : 96234045955

Status : Answered

Chosen Option : 1

Q.7 The distance travelled by a piston from TDC to BDC is called _____.

Ans

- 1. cubic capacity
- 2. clearance volume
- 3. swept volume
- 4. stroke

Question ID : 96234011476

Option 1 ID : 96234045902

Option 2 ID : 96234045901

Option 3 ID : 96234045904

Option 4 ID : 96234045903

Status : Answered

Chosen Option : 4

Q.7 Compression ratio of a petrol engine is _____

Ans

- 1. 30 : 1
- 2. 24 : 1
- 3. 78 : 1
- 4. 8 : 1

Question ID : 96234011479

Option 1 ID : 96234045916

Option 2 ID : 96234045915

Option 3 ID : 96234045914

Q.7
3 The roller of a feed pump is operated by a/an _____.

- Ans
- 1. crank pin
 - 2. crankshaft
 - 3. camshaft
 - 4. eccentric cam of an FIP camshaft

Question ID : 96234011518

Option 1 ID : 96234046072

Option 2 ID : 96234046071

Option 3 ID : 96234046069

Option 4 ID : 96234046070

Status : Answered

Chosen Option : 4

Q.7
4 The brake horse power of an engine is measured by which equipment?

- Ans
- 1. Dynamometer
 - 2. Multimeter
 - 3. Voltmeter
 - 4. Ammeter

Question ID : 96234011478

Option 1 ID : 96234045909

Option 2 ID : 96234045911

Option 3 ID : 96234045912

Option 4 ID : 96234045910

Status : Answered

Chosen Option : 1

Q.7
5 Galvanized iron sheet is also called as a _____.

- Ans
- 1. black iron sheet
 - 2. tin sheet
 - 3. brass sheet
 - 4. GI sheet

Question ID : 96234011499

Option 1 ID : 96234045996

Option 2 ID : 96234045994

Option 3 ID : 96234045995

Option 4 ID : 96234045993

Status : Answered

Chosen Option : 4