



# RAILWAY RECRUITMENT BOARDS

## रेलवे भर्ती बोर्ड

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

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	23/01/2019
Test Time:	4:30 PM - 7:00 PM
Subject:	<b>Part A and Exam Trade : Mechanic Motor Vehicle</b>

- 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 body starts from rest. Its displacement is proportional to \_\_\_\_\_ when its acceleration is constant.

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

Question ID : 96234010893  
 Option 1 ID : 96234043572  
 Option 2 ID : 96234043571  
 Option 3 ID : 96234043569  
 Option 4 ID : 96234043570  
 Status : Answered  
 Chosen Option : 2

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. 45 units
  - 3. 15 units
  - 4. 3 units

Question ID : 96234010886  
 Option 1 ID : 96234043542  
 Option 2 ID : 96234043541  
 Option 3 ID : 96234043543  
 Option 4 ID : 96234043544  
 Status : Marked For Review  
 Chosen Option : 2

Q.3 Which one of these is a harvest festival?

- Ans
- 1. Teej
  - 2. Deepawali
  - 3. Janmashtami
  - 4. Onam

Question ID : 96234010852  
 Option 1 ID : 96234043408  
 Option 2 ID : 96234043407  
 Option 3 ID : 96234043405  
 Option 4 ID : 96234043406  
 Status : Answered  
 Chosen Option : 1

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

Question ID : 96234010910  
 Option 1 ID : 96234043638  
 Option 2 ID : 96234043639  
 Option 3 ID : 96234043637  
 Option 4 ID : 96234043640  
 Status : Answered  
 Chosen Option : 4

Q.5 If C \$ 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 \$ X & Y % Z mean?

- Ans
- 1. Z is wife of W
  - 2. Z is mother of W
  - 3. Z is daughter of W
  - 4. Z is father of W

Question ID : 96234010933  
 Option 1 ID : 96234043729  
 Option 2 ID : 96234043731  
 Option 3 ID : 96234043732  
 Option 4 ID : 96234043730  
 Status : Answered  
 Chosen Option : 4

Q.6 What is the distance between the points (4, 3) and (3, -2)?

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

Question ID : 96234010914  
 Option 1 ID : 96234043653  
 Option 2 ID : 96234043655  
 Option 3 ID : 96234043656  
 Option 4 ID : 96234043654  
 Status : Answered  
 Chosen Option : 2

Q.7 The volume of a given amount of water \_\_\_\_\_ between 0° C to 4° C.

- Ans
- 1. increases
  - 2. remains constant
  - 3. decreases
  - 4. is zero

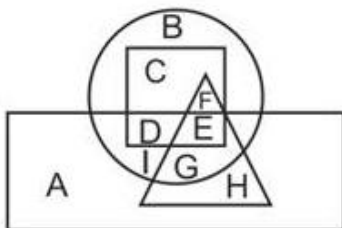
Question ID : 96234010866  
 Option 1 ID : 96234043464  
 Option 2 ID : 96234043462  
 Option 3 ID : 96234043461  
 Option 4 ID : 96234043463  
 Status : Answered  
 Chosen Option : 3

Q.8 JPEG stands for \_\_\_\_\_.

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

Question ID : 96234010883  
 Option 1 ID : 96234043529  
 Option 2 ID : 96234043530  
 Option 3 ID : 96234043531  
 Option 4 ID : 96234043532  
 Status : Answered  
 Chosen Option : 2

Q.9 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. IGH
- 2. DEF
- 3. DEIG
- 4. GEF

Question ID : 96234010938  
Option 1 ID : 96234043752  
Option 2 ID : 96234043751  
Option 3 ID : 96234043749  
Option 4 ID : 96234043750  
Status : Answered  
Chosen Option : 4

Q.1  
0 In engineering drawing, the letters LH signifies \_\_\_\_\_.

- Ans
- 1. Left Hand
  - 2. Level Hide
  - 3. Limit of Height
  - 4. Low Heat

Question ID : 96234010874  
Option 1 ID : 96234043496  
Option 2 ID : 96234043494  
Option 3 ID : 96234043495  
Option 4 ID : 96234043493  
Status : Answered  
Chosen Option : 1

Q.1  
1 An object weighs X units on the earth. If we take the same object to the moon, its weight there will be \_\_\_\_\_.

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

Question ID : 96234010869  
Option 1 ID : 96234043475  
Option 2 ID : 96234043476  
Option 3 ID : 96234043473  
Option 4 ID : 96234043474  
Status : Answered  
Chosen Option : 4

Q.1  
2 86°F is equal to \_\_\_\_\_.

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

Question ID : 96234010877  
Option 1 ID : 96234043506  
Option 2 ID : 96234043505  
Option 3 ID : 96234043508  
Option 4 ID : 96234043507  
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?  
3

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

Question ID : 96234010944  
Option 1 ID : 96234043774  
Option 2 ID : 96234043775  
Option 3 ID : 96234043776  
Option 4 ID : 96234043773  
Status : Answered  
Chosen Option : 2

Q.1 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)?  
4

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

Question ID : 96234010925  
Option 1 ID : 96234043697  
Option 2 ID : 96234043700  
Option 3 ID : 96234043698  
Option 4 ID : 96234043699  
Status : Answered  
Chosen Option : 2

Q.1 What is the least number which when doubled is perfectly divisible by 7, 12 and 15?  
5

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

Question ID : 96234010907  
Option 1 ID : 96234043626  
Option 2 ID : 96234043628  
Option 3 ID : 96234043627  
Option 4 ID : 96234043625  
Status : Answered  
Chosen Option : 4

Q.1 \_\_\_\_\_ protection must be worn whenever noise levels exceed the noise exposure standard.

6

Ans  1. Hearing

2. Foot

3. Eye

4. Head

Question ID : 96234010881

Option 1 ID : 96234043521

Option 2 ID : 96234043523

Option 3 ID : 96234043522

Option 4 ID : 96234043524

Status : Answered

Chosen Option : 1

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

7

Ans  1. 100

2. 200

3. 400

4. 300

Question ID : 96234010895

Option 1 ID : 96234043577

Option 2 ID : 96234043578

Option 3 ID : 96234043580

Option 4 ID : 96234043579

Status : Answered

Chosen Option : 1

Q.1 Molar specific heat capacity of a substance is \_\_\_\_\_.

8

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

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

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

4.  $\mu \left( \frac{\Delta Q}{\Delta T} \right)$

Question ID : 96234010878

Option 1 ID : 96234043512

Option 2 ID : 96234043510

Option 3 ID : 96234043511

Option 4 ID : 96234043509

Status : Answered

Chosen Option : 4

Q.1 Which Indian cricketer received the Padma Bhushan in 2018?

9

Ans

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

Question ID : 96234010856  
Option 1 ID : 96234043424  
Option 2 ID : 96234043422  
Option 3 ID : 96234043421  
Option 4 ID : 96234043423  
Status : Answered  
Chosen Option : 2

Q.2 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 :  
0 2. What is the value of x?

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

Question ID : 96234010919  
Option 1 ID : 96234043674  
Option 2 ID : 96234043673  
Option 3 ID : 96234043676  
Option 4 ID : 96234043675  
Status : Answered  
Chosen Option : 2

Q.2 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  
1 left. In how many days will B finish the remaining work?

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

Question ID : 96234010924  
Option 1 ID : 96234043696  
Option 2 ID : 96234043695  
Option 3 ID : 96234043693  
Option 4 ID : 96234043694  
Status : Answered  
Chosen Option : 3

Q.2 A car covers 400 m in 20 seconds. Find the average speed (in km/hr) of the car.  
2

- Ans  1. 124
2. 72
3. 108
4. 36

Question ID : 96234010894

Option 1 ID : 96234043576  
 Option 2 ID : 96234043574  
 Option 3 ID : 96234043575  
 Option 4 ID : 96234043573  
 Status : Answered  
 Chosen Option : 2

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

3  
 1.14, 1.28, 1.42, ?, 1.70, 1.84

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

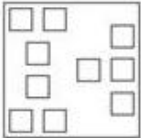

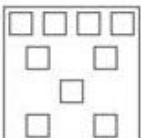
Question ID : 96234010929  
 Option 1 ID : 96234043713  
 Option 2 ID : 96234043715  
 Option 3 ID : 96234043714  
 Option 4 ID : 96234043716  
 Status : Answered  
 Chosen Option : 3

Q.2 Safety boots or shoes must be worn in designated areas to protect your \_\_\_\_\_ from falling objects.

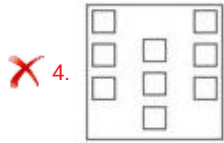
- 4
- Ans
- 1. feet
  - 2. eye
  - 3. head
  - 4. ear

Question ID : 96234010880  
 Option 1 ID : 96234043519  
 Option 2 ID : 96234043518  
 Option 3 ID : 96234043520  
 Option 4 ID : 96234043517  
 Status : Answered  
 Chosen Option : 1

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

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





Question ID : 96234010945  
 Option 1 ID : 96234043780  
 Option 2 ID : 96234043778  
 Option 3 ID : 96234043779  
 Option 4 ID : 96234043777  
 Status : Answered  
 Chosen Option : 1

Q.2 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.  
 6 How much was the total money she had?

- Ans  1. ₹4,000  
 2. ₹5,000  
 3. ₹4,750  
 4. ₹4,250

Question ID : 96234010906  
 Option 1 ID : 96234043621  
 Option 2 ID : 96234043624  
 Option 3 ID : 96234043623  
 Option 4 ID : 96234043622  
 Status : Answered  
 Chosen Option : 2

Q.2 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?  
 7

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

Question ID : 96234010917  
 Option 1 ID : 96234043668  
 Option 2 ID : 96234043666  
 Option 3 ID : 96234043667  
 Option 4 ID : 96234043665  
 Status : Not Attempted and Marked For Review  
 Chosen Option : --

Q.2 Which of the following options does not have an SI base unit?  
 8

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

4. Electric current

Question ID : 96234010861  
 Option 1 ID : 96234043442  
 Option 2 ID : 96234043444  
 Option 3 ID : 96234043441  
 Option 4 ID : 96234043443  
 Status : Answered  
 Chosen Option : 2

Q.2 The Ajanta Caves in Maharashtra feature paintings and sculptures that depict \_\_\_\_\_ tales?  
 9

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

Question ID : 96234010855  
 Option 1 ID : 96234043420  
 Option 2 ID : 96234043419  
 Option 3 ID : 96234043417  
 Option 4 ID : 96234043418  
 Status : Not Attempted and Marked For Review  
 Chosen Option : --

Q.3 If a machine overcomes a load 'L' and the distance travelled by the load is 'Ld', the work done by the load will be \_\_\_\_\_.  
 0

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

Question ID : 96234010885  
 Option 1 ID : 96234043538  
 Option 2 ID : 96234043539  
 Option 3 ID : 96234043540  
 Option 4 ID : 96234043537  
 Status : Marked For Review  
 Chosen Option : 3

Q.3 Unscramble the letters in the words given below and find the odd word out.  
 1

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

Question ID : 96234010937  
 Option 1 ID : 96234043745  
 Option 2 ID : 96234043747

Option 3 ID : 96234043746  
 Option 4 ID : 96234043748  
 Status : Answered  
 Chosen Option : 3

Q.3  
 2 The abbreviation AC in an engineering drawing stands for \_\_\_\_\_.

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

Question ID : 96234010872  
 Option 1 ID : 96234043488  
 Option 2 ID : 96234043487  
 Option 3 ID : 96234043485  
 Option 4 ID : 96234043486  
 Status : Answered  
 Chosen Option : 3

Q.3 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. Neither I nor II is sufficient
  - 2. Either I or II is sufficient
  - 3. I alone is sufficient while II alone is not sufficient
  - 4. II alone is sufficient while I alone is not sufficient

Question ID : 96234010940  
 Option 1 ID : 96234043760  
 Option 2 ID : 96234043759  
 Option 3 ID : 96234043757  
 Option 4 ID : 96234043758  
 Status : Answered  
 Chosen Option : 4

Q.3  
 4  $\sec 45^\circ - \tan 60^\circ = ?$

- Ans
- 1.  $\sqrt{3} + \sqrt{2}$
  - 2.  $\frac{\sqrt{3}}{2}$
  - 3.  $-\sqrt{3} - \sqrt{2}$
  - 4.  $-\sqrt{3} + \sqrt{2}$

Question ID : 96234010915  
 Option 1 ID : 96234043657  
 Option 2 ID : 96234043659  
 Option 3 ID : 96234043660  
 Option 4 ID : 96234043658

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 cost price?

- 5
- Ans  1. ₹10,000  
 2. ₹10,200  
 3. ₹10,800  
 4. ₹11,000

Question ID : 96234010904  
Option 1 ID : 96234043614  
Option 2 ID : 96234043616  
Option 3 ID : 96234043615  
Option 4 ID : 96234043613  
Status : **Answered**  
Chosen Option : **3**

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.

- 6
- Ans  1. 0.5 A  
 2. 1.5 A  
 3. 3.5 A  
 4. 2.5 A

Question ID : 96234010899  
Option 1 ID : 96234043593  
Option 2 ID : 96234043594  
Option 3 ID : 96234043596  
Option 4 ID : 96234043595  
Status : **Marked For Review**  
Chosen Option : **2**

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

- 7
- Ans  1. VWX  
 2. HJL  
 3. PQR  
 4. EFG

Question ID : 96234010942  
Option 1 ID : 96234043767  
Option 2 ID : 96234043766  
Option 3 ID : 96234043765  
Option 4 ID : 96234043768  
Status : **Answered**  
Chosen Option : **2**

Q.3 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'.

- 8
- Ans  1. 2

2. 5  
 3. 8  
 4. 4

Question ID : 96234010930  
 Option 1 ID : 96234043718  
 Option 2 ID : 96234043719  
 Option 3 ID : 96234043720  
 Option 4 ID : 96234043717  
 Status : Answered  
 Chosen Option : 3

Q.3 What is the curved surface area of a hemisphere whose radius is 7 cm? (take  $\pi = 22/7$ )

- Ans  1. 154 cm<sup>2</sup>  
 2. 924 cm<sup>2</sup>  
 3. 616 cm<sup>2</sup>  
 4. 308 cm<sup>2</sup>

Question ID : 96234010908  
 Option 1 ID : 96234043632  
 Option 2 ID : 96234043631  
 Option 3 ID : 96234043629  
 Option 4 ID : 96234043630  
 Status : Answered  
 Chosen Option : 4

Q.4 If  $\sin \Theta = 15/17$ , then  $\cot \Theta = ?$

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

Question ID : 96234010916  
 Option 1 ID : 96234043663  
 Option 2 ID : 96234043662  
 Option 3 ID : 96234043664  
 Option 4 ID : 96234043661  
 Status : Answered  
 Chosen Option : 2

Q.4 Who was the first governor of the Reserve Bank of India?

- Ans  1. KR Puri

2. Sir Osborne A Smith  
 3. HVR Iyengar  
 4. Sir James Braid Taylor

Question ID : 96234010859  
 Option 1 ID : 96234043433  
 Option 2 ID : 96234043434  
 Option 3 ID : 96234043436  
 Option 4 ID : 96234043435  
 Status : Answered  
 Chosen Option : 2

Q.4 Identify the material having high coefficient of volume expansion.

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

Question ID : 96234010875  
 Option 1 ID : 96234043497  
 Option 2 ID : 96234043498  
 Option 3 ID : 96234043499  
 Option 4 ID : 96234043500  
 Status : Not Attempted and Marked For Review  
 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.

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

Question ID : 96234010863  
 Option 1 ID : 96234043452  
 Option 2 ID : 96234043450  
 Option 3 ID : 96234043449  
 Option 4 ID : 96234043451  
 Status : Answered  
 Chosen Option : 1

Q.4 If  $x = \sqrt{125} \times \sqrt{30} \times \sqrt{6}$ , then x is equal to:

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

Question ID : 96234010922  
 Option 1 ID : 96234043685

Option 2 ID : 96234043686  
 Option 3 ID : 96234043688  
 Option 4 ID : 96234043687  
 Status : Answered  
 Chosen Option : 2

Q.4 A number is as much greater than 50 as it is lesser than 84. What is the number?

- 5  
 Ans  1. 68  
 2. 67  
 3. 66  
 4. 65

Question ID : 96234010911  
 Option 1 ID : 96234043644  
 Option 2 ID : 96234043643  
 Option 3 ID : 96234043642  
 Option 4 ID : 96234043641  
 Status : Answered  
 Chosen Option : 2

Q.4 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.

6  
 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. Both I and II are strong.  
 2. Neither I nor II is strong.  
 3. Only argument I is strong.  
 4. Only argument II is strong.

Question ID : 96234010950  
 Option 1 ID : 96234043799  
 Option 2 ID : 96234043800  
 Option 3 ID : 96234043797  
 Option 4 ID : 96234043798  
 Status : Answered  
 Chosen Option : 1

Q.4 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 \_\_\_\_\_.

- 7  
 Ans  1.  $27R$   
 2.  $3R$   
 3.  $9R$   
 4.  $R$

Question ID : 96234010892  
 Option 1 ID : 96234043565  
 Option 2 ID : 96234043567  
 Option 3 ID : 96234043566  
 Option 4 ID : 96234043568  
 Status : Answered

Chosen Option : 4

Q.4  
8 Kuchipudi has its roots in which Indian State?

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

Question ID : 96234010860

Option 1 ID : 96234043439

Option 2 ID : 96234043440

Option 3 ID : 96234043437

Option 4 ID : 96234043438

Status : Answered

Chosen Option : 1

Q.4  
9 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 : 96234010913

Option 1 ID : 96234043649

Option 2 ID : 96234043652

Option 3 ID : 96234043650

Option 4 ID : 96234043651

Status : Answered

Chosen Option : 4

Q.5  
0 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. ₹2,000
  - 2. ₹1,920
  - 3. ₹2,040
  - 4. ₹1,960

Question ID : 96234010905

Option 1 ID : 96234043619

Option 2 ID : 96234043617

Option 3 ID : 96234043620

Option 4 ID : 96234043618

Status : Answered

Chosen Option : 1

Q.5  
1 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 450 Jkg<sup>-1</sup>K<sup>-1</sup>)?

- Ans
- 1. 27 J



- ✓ 2. 2700 J  
✗ 3. 270 J  
✗ 4. 6000 J

Question ID : 96234010889  
Option 1 ID : 96234043553  
Option 2 ID : 96234043555  
Option 3 ID : 96234043554  
Option 4 ID : 96234043556  
Status : Answered  
Chosen Option : 4

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

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

Question ID : 96234010921  
Option 1 ID : 96234043681  
Option 2 ID : 96234043682  
Option 3 ID : 96234043684  
Option 4 ID : 96234043683  
Status : Answered  
Chosen Option : 2

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

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

Question ID : 96234010920  
Option 1 ID : 96234043677  
Option 2 ID : 96234043680  
Option 3 ID : 96234043679  
Option 4 ID : 96234043678  
Status : Answered  
Chosen Option : 2

Q.5  
4 Name the scientist who discovered bacteria.

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

Question ID : 96234010853  
Option 1 ID : 96234043411  
Option 2 ID : 96234043409

Option 3 ID : 96234043410  
 Option 4 ID : 96234043412  
 Status : **Marked For Review**  
 Chosen Option : 4

Q.5 In angular measurements, one radian is equivalent to \_\_\_\_\_ degrees (approximately).

- 5  
 Ans  1. 65.27  
 2. 90  
 3. 57.27  
 4. 180

Question ID : 96234010862  
 Option 1 ID : 96234043448  
 Option 2 ID : 96234043446  
 Option 3 ID : 96234043447  
 Option 4 ID : 96234043445  
 Status : **Answered**  
 Chosen Option : 3

Q.5 Two resistors of  $10\ \Omega$  and  $20\ \Omega$  are connected in series and this combination is connected across a 30 V supply voltage.  
 6 Find the voltage across the  $10\ \Omega$  resistor.

- Ans  1. 10 V  
 2. 20 V  
 3. 15 V  
 4. 5 V

Question ID : 96234010898  
 Option 1 ID : 96234043590  
 Option 2 ID : 96234043591  
 Option 3 ID : 96234043592  
 Option 4 ID : 96234043589  
 Status : **Answered**  
 Chosen Option : 1

Q.5 An object starts from rest at  $x = 0$  m and moves with a constant acceleration of  $1.6\ \text{m/s}^2$  along the x-axis. During its journey  
 7 from  $x = 12.8$  m to  $x = 20.0$  m, its average velocity will be \_\_\_\_\_.

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

Question ID : 96234010888  
 Option 1 ID : 96234043549  
 Option 2 ID : 96234043552  
 Option 3 ID : 96234043551  
 Option 4 ID : 96234043550  
 Status : **Not Answered**  
 Chosen Option : --

Q.5 If a body is NOT homogeneous, then its density is a function of its \_\_\_\_\_.

- 8  
 Ans  1. pressure

2. acceleration

3. position

4. velocity

Question ID : 96234010867  
 Option 1 ID : 96234043468  
 Option 2 ID : 96234043467  
 Option 3 ID : 96234043465  
 Option 4 ID : 96234043466  
 Status : Answered  
 Chosen Option : 1

Q.5 Substances that are broken down by biological processes are said to be \_\_\_\_\_.

Ans  1. biodegradable

2. reusable

3. non-reusable

4. non-biodegradable

Question ID : 96234010864  
 Option 1 ID : 96234043455  
 Option 2 ID : 96234043454  
 Option 3 ID : 96234043456  
 Option 4 ID : 96234043453  
 Status : Answered  
 Chosen Option : 1

Q.6 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?

Ans  1. 9.6 minutes

2. 9.4 minutes

3. 9 minutes

4. 8.6 minutes

Question ID : 96234010918  
 Option 1 ID : 96234043669  
 Option 2 ID : 96234043670  
 Option 3 ID : 96234043671  
 Option 4 ID : 96234043672  
 Status : Answered  
 Chosen Option : 4

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 \_\_\_\_\_.

Ans  1.  $Vi/t$

2.  $Vit$

3.  $V/it$

4.  $1/Vit$

Question ID : 96234010896

Option 1 ID : 96234043583

Option 2 ID : 96234043581

Option 3 ID : 96234043582

Option 4 ID : 96234043584

Status : Answered

Chosen Option : 1

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.

- Ans
- 1. dimensioning
  - 2. projection
  - 3. development
  - 4. animation

Question ID : 96234010871

Option 1 ID : 96234043484

Option 2 ID : 96234043481

Option 3 ID : 96234043483

Option 4 ID : 96234043482

Status : Answered

Chosen Option : 2

Q.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.  $4R$
  - 2.  $R/2$
  - 3.  $R$
  - 4.  $2R$

Question ID : 96234010897

Option 1 ID : 96234043588

Option 2 ID : 96234043585

Option 3 ID : 96234043586

Option 4 ID : 96234043587

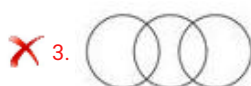
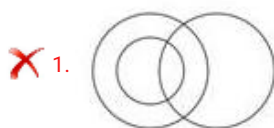
Status : Answered

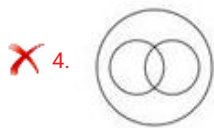
Chosen Option : 3

Q.6 Which of the following Venn diagrams best represents the relationship between Indians, doctors and women?

4

Ans





Question ID : 96234010939  
 Option 1 ID : 96234043756  
 Option 2 ID : 96234043755  
 Option 3 ID : 96234043753  
 Option 4 ID : 96234043754  
 Status : Answered  
 Chosen Option : 4

Q.6  
5 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. 6 J  
 2. 8 J  
 3. 12 J  
 4. 10 J

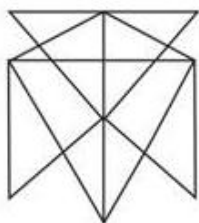
Question ID : 96234010865  
 Option 1 ID : 96234043457  
 Option 2 ID : 96234043458  
 Option 3 ID : 96234043460  
 Option 4 ID : 96234043459  
 Status : Answered  
 Chosen Option : 4

Q.6  
6 Identify the material having low coefficient of volume expansion

- Ans  1. Iron  
 2. Aluminium  
 3. Mercury  
 4. Brass

Question ID : 96234010876  
 Option 1 ID : 96234043503  
 Option 2 ID : 96234043504  
 Option 3 ID : 96234043501  
 Option 4 ID : 96234043502  
 Status : Marked For Review  
 Chosen Option : 3

Q.6  
7 What is the minimum number of lines required to make the given image?



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

Question ID : 96234010943  
 Option 1 ID : 96234043772  
 Option 2 ID : 96234043771  
 Option 3 ID : 96234043769  
 Option 4 ID : 96234043770  
 Status : **Not Answered**  
 Chosen Option : --

Q.6 A software program that has been developed to harm other computers is called a/an \_\_\_\_\_.

- 8
- Ans
- 1. malware
  - 2. operating system
  - 3. LAN
  - 4. server

Question ID : 96234010882  
 Option 1 ID : 96234043525  
 Option 2 ID : 96234043526  
 Option 3 ID : 96234043528  
 Option 4 ID : 96234043527  
 Status : **Answered**  
 Chosen Option : 2

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

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

- 9
- Ans
- 1. + and -
  - 2. + and  $\times$
  - 3.  $\times$  and -
  - 4.  $\div$  and -

Question ID : 96234010932  
 Option 1 ID : 96234043726  
 Option 2 ID : 96234043725  
 Option 3 ID : 96234043728  
 Option 4 ID : 96234043727  
 Status : **Answered**  
 Chosen Option : 1

Q.7 The effort in a class 1 lever is in \_\_\_\_\_ direction(s).

- 0
- Ans
- 1. multiple
  - 2. two
  - 3. three
  - 4. one

Question ID : 96234010887  
 Option 1 ID : 96234043545  
 Option 2 ID : 96234043546  
 Option 3 ID : 96234043547  
 Option 4 ID : 96234043548  
 Status : Answered  
 Chosen Option : 4

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

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

Question ID : 96234010879  
 Option 1 ID : 96234043513  
 Option 2 ID : 96234043516  
 Option 3 ID : 96234043514  
 Option 4 ID : 96234043515  
 Status : Answered  
 Chosen Option : 3

Q.7  
 2 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 east of E
  - 2. F is 4 km east of E
  - 3. F is 18 km west of E
  - 4. F is 4 km west of E

Question ID : 96234010948  
 Option 1 ID : 96234043792  
 Option 2 ID : 96234043790  
 Option 3 ID : 96234043789  
 Option 4 ID : 96234043791  
 Status : Answered  
 Chosen Option : 1

Q.7  
 3 A brass rod (thermal conductivity  $109 \text{ J/s m K}$ ) has an area of cross section  $0.04 \text{ m}^2$  and length 20 cm. If the two end of the rod are maintained at a temperature difference of  $200^\circ\text{C}$ , the rate of heat flow through the rod is \_\_\_\_\_.

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

Question ID : 96234010890  
 Option 1 ID : 96234043557  
 Option 2 ID : 96234043558  
 Option 3 ID : 96234043560  
 Option 4 ID : 96234043559  
 Status : Answered  
 Chosen Option : 1

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

- Ans
- 1. 2.505
  - 2. 0.2505
  - 3. 25.05
  - 4. 250.5

Question ID : 96234010903  
 Option 1 ID : 96234043609  
 Option 2 ID : 96234043611  
 Option 3 ID : 96234043610  
 Option 4 ID : 96234043612  
 Status : Answered  
 Chosen Option : 3

Q.7  
5 Two resistors, one of  $12 \Omega$  and the other of  $24 \Omega$  are connected in parallel. This combination is connected in series with a  $22 \Omega$  resistor and a  $12 \text{ V}$  battery. The current in the  $12 \Omega$  resistor is \_\_\_\_\_.

- Ans
- 1.  $(2/15) \text{ A}$
  - 2.  $(6/15) \text{ A}$
  - 3.  $(4/15) \text{ A}$
  - 4.  $(8/15) \text{ A}$

Question ID : 96234010891  
 Option 1 ID : 96234043561  
 Option 2 ID : 96234043563  
 Option 3 ID : 96234043562  
 Option 4 ID : 96234043564  
 Status : Answered  
 Chosen Option : 3

Q.7  
6 If the width of a standard engineering drawing sheet is  $841 \text{ mm}$ , then its length would be \_\_\_\_\_  $\text{mm}$ .

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

Question ID : 96234010873  
 Option 1 ID : 96234043489  
 Option 2 ID : 96234043491  
 Option 3 ID : 96234043492  
 Option 4 ID : 96234043490  
 Status : Answered  
 Chosen Option : 1

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

- Ans
- 1. 7
  - 2. 6



3. 3  
 4. 8

Question ID : 96234010902  
Option 1 ID : 96234043606  
Option 2 ID : 96234043607  
Option 3 ID : 96234043608  
Option 4 ID : 96234043605  
Status : Answered  
Chosen Option : 4

Q.7  
8 If a body has a specific gravity of less than 1, then it will float in/on \_\_\_\_\_.

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

Question ID : 96234010868  
Option 1 ID : 96234043469  
Option 2 ID : 96234043471  
Option 3 ID : 96234043472  
Option 4 ID : 96234043470  
Status : Answered  
Chosen Option : 2

Q.7  
9 How many medals did India win in Rio Olympics, 2016?

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

Question ID : 96234010851  
Option 1 ID : 96234043402  
Option 2 ID : 96234043404  
Option 3 ID : 96234043401  
Option 4 ID : 96234043403  
Status : Answered  
Chosen Option : 1

Q.8  
0 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. 10 W  
 2. 18 W  
 3. 14 W  
 4. 16 W

Question ID : 96234010900  
Option 1 ID : 96234043597  
Option 2 ID : 96234043600  
Option 3 ID : 96234043598

Option 4 ID : 96234043599

Status : Answered

Chosen Option : 2

Q.8 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. OOXXXXXX

2. OOXXXX

3. OXXXXX

4. XXXXXX

Question ID : 96234010928

Option 1 ID : 96234043710

Option 2 ID : 96234043712

Option 3 ID : 96234043709

Option 4 ID : 96234043711

Status : Answered

Chosen Option : 3

Q.8 A 4-digit number  $1xy7$  is divisible by 11. What is the value of  $x-y$ ?

2 Ans  1. - 4

2. - 6

3. - 2

4. - 8

Question ID : 96234010901

Option 1 ID : 96234043602

Option 2 ID : 96234043601

Option 3 ID : 96234043603

Option 4 ID : 96234043604

Status : Answered

Chosen Option : 2

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

3 Ans  1.  $I - J * F + H$

2.  $I - J + F * H$

3.  $I * J - F + H$

4.  $I + J - F * H$

Question ID : 96234010934

Option 1 ID : 96234043736

Option 2 ID : 96234043734

Option 3 ID : 96234043733

Option 4 ID : 96234043735

Status : Answered

Chosen Option : 2

Q.8 Select the option that is related to the third number in the same way as the second number is related to the first number.

4  $-9/11 : 11/9 :: 13/2 : ?$

Ans  1.  $3/7$

2. -7/3  
 3. -2/13  
 4. 2/13

Question ID : 96234010927  
Option 1 ID : 96234043706  
Option 2 ID : 96234043707  
Option 3 ID : 96234043708  
Option 4 ID : 96234043705  
Status : Answered  
Chosen Option : 3

Q.8 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 5 6 km, then turns south and drives 7 km. Where is he now with respect to his starting position?

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

Question ID : 96234010947  
Option 1 ID : 96234043786  
Option 2 ID : 96234043788  
Option 3 ID : 96234043785  
Option 4 ID : 96234043787  
Status : Answered  
Chosen Option : 3

Q.8 Where is the Headquarters of UNESCO located?  
6

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

Question ID : 96234010858  
Option 1 ID : 96234043429  
Option 2 ID : 96234043432  
Option 3 ID : 96234043431  
Option 4 ID : 96234043430  
Status : Answered  
Chosen Option : 1

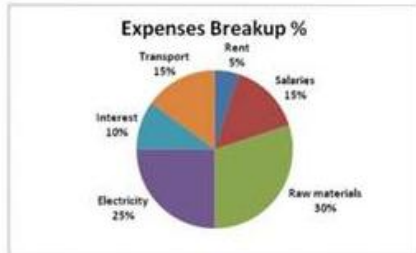
Q.8 An airplane flies at the speed of 50 m/s. How much distance (in km) will it cover in a flight of 5 hours?  
7

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

Question ID : 96234010909  
Option 1 ID : 96234043635

Option 2 ID : 96234043633  
 Option 3 ID : 96234043636  
 Option 4 ID : 96234043634  
 Status : Answered  
 Chosen Option : 3

Q.8  
8 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. ₹5,000
  - 2. ₹9,000
  - 3. ₹2,500
  - 4. ₹1,800

Question ID : 96234010941  
 Option 1 ID : 96234043762  
 Option 2 ID : 96234043763  
 Option 3 ID : 96234043761  
 Option 4 ID : 96234043764  
 Status : Answered  
 Chosen Option : 3

Q.8  
9 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 I follows
  - 3. Only conclusion II follows
  - 4. Neither I nor II follows

Question ID : 96234010935  
 Option 1 ID : 96234043739  
 Option 2 ID : 96234043737  
 Option 3 ID : 96234043738  
 Option 4 ID : 96234043740  
 Status : Answered  
 Chosen Option : 3

**Q.9** 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.

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

Question ID : 96234010949

Option 1 ID : 96234043794

Option 2 ID : 96234043796

Option 3 ID : 96234043795

Option 4 ID : 96234043793

Status : Not Answered

Chosen Option : --

**Q.9** In an examination, the highest score and the lowest score differed by 55 and the higher one was  $\frac{9}{4}$  times the lower one.

1 What is the lowest score?

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

Question ID : 96234010912

Option 1 ID : 96234043645

Option 2 ID : 96234043646

Option 3 ID : 96234043648

Option 4 ID : 96234043647

Status : Answered

Chosen Option : 1

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

2  $9 \times 3 + 6 \div 2 = ?$

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

Question ID : 96234010931

Option 1 ID : 96234043721

Option 2 ID : 96234043724

Option 3 ID : 96234043722

Option 4 ID : 96234043723

Status : Answered

Chosen Option : 4

**Q.9** 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. 10.91 days

3. 9.23 days

4. 10.67 days

Question ID : 96234010923

Option 1 ID : 96234043690

Option 2 ID : 96234043692

Option 3 ID : 96234043691

Option 4 ID : 96234043689

Status : Answered

Chosen Option : 3

Q.9 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.

4

H T R U O A  
1 2 3 4 5 6

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

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

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

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

Question ID : 96234010936

Option 1 ID : 96234043742

Option 2 ID : 96234043744

Option 3 ID : 96234043743

Option 4 ID : 96234043741

Status : Not Answered

Chosen Option : --

Q.9 RK Narayan is famous for his book \_\_\_\_\_.

5

Ans  1. Malgudi Days

2. A Suitable Boy

3. Two Lives

4. The Toom on the Roof

Question ID : 96234010857

Option 1 ID : 96234043427

Option 2 ID : 96234043428

Option 3 ID : 96234043426

Option 4 ID : 96234043425

Status : Not Answered

Chosen Option : --

Q.9 Name the painter of the famous painting, 'Mahishasura'.

6

Ans  1. MF Hussain

2. Raja Ravi Verma

3. Tyeb Mehta

4. Amrita Sher-Gil





Question ID : 96234010854  
 Option 1 ID : 96234043415  
 Option 2 ID : 96234043414  
 Option 3 ID : 96234043416  
 Option 4 ID : 96234043413  
 Status : **Not Answered**  
 Chosen Option : --

Q.9 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 : 96234010884  
 Option 1 ID : 96234043536  
 Option 2 ID : 96234043533  
 Option 3 ID : 96234043534  
 Option 4 ID : 96234043535  
 Status : **Not Answered**  
 Chosen Option : --

Q.9 Choose the figure that is different from the rest.

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

Question ID : 96234010946  
 Option 1 ID : 96234043784  
 Option 2 ID : 96234043781  
 Option 3 ID : 96234043782  
 Option 4 ID : 96234043783  
 Status : **Not Answered**  
 Chosen Option : --

9 A \_\_\_\_\_ is a theoretical exact plane, axis or point location that GD & T or dimensional tolerances are referenced to.

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

Question ID : 96234010870  
Option 1 ID : 96234043480  
Option 2 ID : 96234043478  
Option 3 ID : 96234043477  
Option 4 ID : 96234043479  
Status : **Not Answered**  
Chosen Option : --

Q.1 00 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. Emotion
  - 2. Smile
  - 3. Sad
  - 4. Happy

Question ID : 96234010926  
Option 1 ID : 96234043704  
Option 2 ID : 96234043703  
Option 3 ID : 96234043701  
Option 4 ID : 96234043702  
Status : **Not Answered**  
Chosen Option : --

Section : Mechanic Motor Vehicle

Q.1 In an engine, which shaft controls a piston's movement?

- Ans
- 1. Propeller shaft
  - 2. Axle
  - 3. Crankshaft
  - 4. Camshaft

Question ID : 96234010979  
Option 1 ID : 96234043915  
Option 2 ID : 96234043916  
Option 3 ID : 96234043914  
Option 4 ID : 96234043913  
Status : **Answered**  
Chosen Option : 3

Q.2 Which of the following is NOT an air conditioning component of an automobile?

- Ans
- 1. Generator



2. Compressor

3. Evaporator

4. Condenser

Question ID : 96234010970

Option 1 ID : 96234043878

Option 2 ID : 96234043877

Option 3 ID : 96234043880

Option 4 ID : 96234043879

Status : Answered

Chosen Option : 1

Q.3 Which of the following is NOT a function of a damper?

Ans  1.

It avoids the oscillation (repeated expansion or compression of the spring).

2.

It controls the quick compression of the spring after hitting a bump or a pothole.

3.

It controls the catalytic convertor's performance as per the frequency of vibration.

4.

It controls the quick expansion of the spring after hitting a bump or a pothole.

Question ID : 96234011002

Option 1 ID : 96234044005

Option 2 ID : 96234044007

Option 3 ID : 96234044008

Option 4 ID : 96234044006

Status : Answered

Chosen Option : 3

Q.4 Which of the following devices is used for checking the level of engine's lubricating oil?

Ans  1. Dipstick

2. Autocollimator

3. Hydrometer

4. Multimeter

Question ID : 96234011013

Option 1 ID : 96234044051

Option 2 ID : 96234044050

Option 3 ID : 96234044049

Option 4 ID : 96234044052

Status : Answered

Chosen Option : 1

Q.5 What is the function of a float in a carburetor?

Ans  1. It controls the level of petrol in the float chamber.

2. It controls the flow of fuel.

3. It controls the flow of air.

4. It controls the flow of fuel and air mixture.

Question ID : 96234010983  
Option 1 ID : 96234043929  
Option 2 ID : 96234043932  
Option 3 ID : 96234043931  
Option 4 ID : 96234043930  
Status : Answered  
Chosen Option : 1

Q.6 Drum brakes are adjusted to \_\_\_\_\_.

- Ans
- 1. reduce loss of fluid
  - 2. reduce the evaporation of the brake fluid
  - 3. tighten the wheel bearings
  - 4. compensate for liner wear

Question ID : 96234011015  
Option 1 ID : 96234044058  
Option 2 ID : 96234044059  
Option 3 ID : 96234044060  
Option 4 ID : 96234044057  
Status : Answered  
Chosen Option : 3

Q.7 Generally, which cable colour code is used for earthing a fuel tank?

- Ans
- 1. White
  - 2. Green
  - 3. Black
  - 4. Brown

Question ID : 96234011025  
Option 1 ID : 96234044098  
Option 2 ID : 96234044100  
Option 3 ID : 96234044097  
Option 4 ID : 96234044099  
Status : Answered  
Chosen Option : 3

Q.8 How many injectors are required for a six-cylinder MPFI engine?

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

Question ID : 96234011011  
Option 1 ID : 96234044042  
Option 2 ID : 96234044041  
Option 3 ID : 96234044043  
Option 4 ID : 96234044044

Status : Answered  
Chosen Option : 4

Q.9 Which of the following does NOT belong to the fuel supply system of a diesel engine?

- Ans  1. Compensating jet  
 2. Injector  
 3. Fuel pump  
 4. Spray nozzle

Question ID : 96234010985  
 Option 1 ID : 96234043938  
 Option 2 ID : 96234043937  
 Option 3 ID : 96234043940  
 Option 4 ID : 96234043939  
 Status : Answered  
 Chosen Option : 1

Q.1 Identify the drive pinion which engages with a gear ring of the flywheel to start the engine in case of a starter motor.

- 0  
 Ans  1. Crankshaft  
 2. Alternator  
 3. Camshaft  
 4. Bendix derive

Question ID : 96234010965  
 Option 1 ID : 96234043858  
 Option 2 ID : 96234043860  
 Option 3 ID : 96234043859  
 Option 4 ID : 96234043857  
 Status : Answered  
 Chosen Option : 1

Q.1 The ignition coil of an ignition system acts as a \_\_\_\_\_.

- 1  
 Ans  1. step up transformer  
 2. rectifier  
 3. DC to AC converter  
 4. switch

Question ID : 96234010984  
 Option 1 ID : 96234043934  
 Option 2 ID : 96234043936  
 Option 3 ID : 96234043933  
 Option 4 ID : 96234043935  
 Status : Answered  
 Chosen Option : 1

Q.1 In a final drive gearing system, which of the following type of gear is NOT used?

- 2  
 Ans  1. Spur

- 2. Spiral bevel
- 3. Straight bevel
- 4. Hypoid

Question ID : 96234010995  
 Option 1 ID : 96234043978  
 Option 2 ID : 96234043979  
 Option 3 ID : 96234043980  
 Option 4 ID : 96234043977  
 Status : Answered  
 Chosen Option : 1

Q.1  
3 Generally, most of the cars have which of the following engines?

- Ans
- 1. Two-stroke cycle engine
  - 2. Free piston engine
  - 3. Rotary Wankel engine
  - 4. Four-stroke cycle engine

Question ID : 96234010980  
 Option 1 ID : 96234043920  
 Option 2 ID : 96234043917  
 Option 3 ID : 96234043918  
 Option 4 ID : 96234043919  
 Status : Answered  
 Chosen Option : 4

Q.1  
4 A wiper circuit of an automobile consists of a/an \_\_\_\_\_.

- Ans
- 1. operational amplifier
  - 2. stable multivibrator IC 555
  - 3. astable multivibrator IC 555
  - 4. microcontroller

Question ID : 96234010968  
 Option 1 ID : 96234043869  
 Option 2 ID : 96234043870  
 Option 3 ID : 96234043871  
 Option 4 ID : 96234043872  
 Status : Answered  
 Chosen Option : 1

Q.1  
5 The function of a master cylinder in an ABS braking system is:

- Ans
- 1. to increase pressure of braking.
  - 2. to reduce pressure of braking.
  - 3. to allow pressure for the brakes.
  - 4. to stop the vehicle.

Question ID : 96234010975  
 Option 1 ID : 96234043899  
 Option 2 ID : 96234043898  
 Option 3 ID : 96234043897  
 Option 4 ID : 96234043900  
 Status : Answered  
 Chosen Option : 3

Q.1  
 6 Why are glow plugs used in CI engines?

Ans  1. To cool an overheated engine

2.

To provide light inside the cylinder for carrying out maintenance activities

3. To control the quantity of the fuel being sprayed

4. To assist in engine starting

Question ID : 96234011012  
 Option 1 ID : 96234044048  
 Option 2 ID : 96234044046  
 Option 3 ID : 96234044045  
 Option 4 ID : 96234044047  
 Status : Answered  
 Chosen Option : 2

Q.1  
 7 Which of the following is/are an engine emission mainly from a CI engine and NOT from an SI engine?

Ans  1. Carbon monoxide

2. Nitrogen oxide

3. Particulates and soot

4. Hydrocarbons

Question ID : 96234010977  
 Option 1 ID : 96234043907  
 Option 2 ID : 96234043905  
 Option 3 ID : 96234043908  
 Option 4 ID : 96234043906  
 Status : Answered  
 Chosen Option : 3

Q.1  
 8 A fully charged battery will show the open circuit voltage of the order \_\_\_\_\_.

Ans  1. 12.0 V

2. 12.2 V

3. 12.4 V

4. 12.6 V

Question ID : 96234011017  
 Option 1 ID : 96234044068  
 Option 2 ID : 96234044067  
 Option 3 ID : 96234044066  
 Option 4 ID : 96234044065  
 Status : Answered

Chosen Option : 3

Q.1  
9 In between which of the following a Hook's joint is located?

- Ans
- 1. Differential gear and wheels
  - 2. Gear box and propeller shaft
  - 3. Clutch and gearbox
  - 4. Flywheel and clutch

Question ID : 96234010993

Option 1 ID : 96234043969

Option 2 ID : 96234043970

Option 3 ID : 96234043971

Option 4 ID : 96234043972

Status : Answered

Chosen Option : 2

Q.2  
0 A torque converter transfers rotating power of the engine into \_\_\_\_\_.

- Ans
- 1. transmission
  - 2. brakes power
  - 3. flywheel power
  - 4. camshaft power

Question ID : 96234010976

Option 1 ID : 96234043901

Option 2 ID : 96234043902

Option 3 ID : 96234043904

Option 4 ID : 96234043903

Status : Answered

Chosen Option : 1

Q.2  
1 Which type of light bulb is used in automobiles?

- Ans
- 1. Incandescent light
  - 2. Fluorescent light
  - 3. Neon lights
  - 4. Halogen lights

Question ID : 96234010967

Option 1 ID : 96234043867

Option 2 ID : 96234043868

Option 3 ID : 96234043865

Option 4 ID : 96234043866

Status : Answered

Chosen Option : 1

Q.2  
2 The inward or outward tilt of a wheel from the vertical is termed as \_\_\_\_\_.

- Ans
- 1. slip angle

- 2. steering axis inclination
- 3. castor
- 4. camber

Question ID : 96234010999  
Option 1 ID : 96234043994  
Option 2 ID : 96234043993  
Option 3 ID : 96234043996  
Option 4 ID : 96234043995  
Status : Answered  
Chosen Option : 1

Q.2  
3 An inductive proximity sensor is used to detect \_\_\_\_\_.

- Ans
- 1. wooden object
  - 2. metal objects
  - 3. sand objects
  - 4. plastic objects

Question ID : 96234010969  
Option 1 ID : 96234043875  
Option 2 ID : 96234043873  
Option 3 ID : 96234043876  
Option 4 ID : 96234043874  
Status : Answered  
Chosen Option : 2

Q.2  
4 An Anti-lock Braking System prevents the wheels from \_\_\_\_\_.

- Ans
- 1. heat loss
  - 2. power loss
  - 3. speed-up
  - 4. locking-up

Question ID : 96234010974  
Option 1 ID : 96234043895  
Option 2 ID : 96234043896  
Option 3 ID : 96234043894  
Option 4 ID : 96234043893  
Status : Answered  
Chosen Option : 4

Q.2  
5 Generally, which type of axle is used in heavy vehicles?

- Ans
- 1. Non-floating
  - 2. Three quarter floating
  - 3. Fully floating
  - 4. Semi-floating

Question ID : 96234010996  
Option 1 ID : 96234043984  
Option 2 ID : 96234043982  
Option 3 ID : 96234043981  
Option 4 ID : 96234043983  
Status : Answered  
Chosen Option : 1

Q.2  
6 Which of the following statements is false in the context of a torque convertor?

- Ans
- 1. Maximum torque multiplication occurs at low speed.
  - 2. The stator unit redirects the flow of oil to the impeller.
  - 3. The blades have a curved shape.
  - 4. The impeller unit drives the oil.

Question ID : 96234010994  
Option 1 ID : 96234043973  
Option 2 ID : 96234043974  
Option 3 ID : 96234043976  
Option 4 ID : 96234043975  
Status : Answered  
Chosen Option : 4

Q.2  
7 Which of the following is the most likely cause of a car NOT getting started?

- Ans
- 1. Dead battery
  - 2. Faulty fuse
  - 3. Defective starter
  - 4. Faulty ignition switch

Question ID : 96234011021  
Option 1 ID : 96234044083  
Option 2 ID : 96234044084  
Option 3 ID : 96234044082  
Option 4 ID : 96234044081  
Status : Answered  
Chosen Option : 3

Q.2  
8 How the horn and its switch are connected?

- Ans
- 1. In parallel with the battery
  - 2. In series with the dynamo
  - 3. In parallel with the dynamo
  - 4. In series with the battery

Question ID : 96234011023  
Option 1 ID : 96234044091  
Option 2 ID : 96234044089  
Option 3 ID : 96234044092  
Option 4 ID : 96234044090



Status : **Answered**  
Chosen Option : 1

Q.2  
9 In an engine, minimum \_\_\_\_\_ valves are required per cylinder.

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

Question ID : 96234011006  
Option 1 ID : 96234044022  
Option 2 ID : 96234044021  
Option 3 ID : 96234044024  
Option 4 ID : 96234044023  
Status : **Answered**  
Chosen Option : 2

Q.3  
0 What is the function of a shackle in a leaf spring arrangement?

- Ans
- 1. It provides good traction.
  - 2. It allows the spring length to change.
  - 3. It allows pivoting of the spring end.
  - 4. It prevents the squeaking sound.

Question ID : 96234010997  
Option 1 ID : 96234043986  
Option 2 ID : 96234043988  
Option 3 ID : 96234043987  
Option 4 ID : 96234043985  
Status : **Answered**  
Chosen Option : 1

Q.3  
1 A spark plug of an automobile consists of two electrodes. One is ground electrode and the other is \_\_\_\_\_.

- Ans
- 1. central electrode
  - 2. dielectric electrode
  - 3. zero electrode
  - 4. right electrode

Question ID : 96234010962  
Option 1 ID : 96234043846  
Option 2 ID : 96234043847  
Option 3 ID : 96234043845  
Option 4 ID : 96234043848  
Status : **Answered**  
Chosen Option : 1

Q.3  
2 Combined angle is given by \_\_\_\_\_.

- Ans
- 1. camber + king pin inclination

- 2. camber + slip angle
- 3. camber + castor
- 4. castor + steering axis inclination

Question ID : 96234011000  
 Option 1 ID : 96234043999  
 Option 2 ID : 96234043997  
 Option 3 ID : 96234044000  
 Option 4 ID : 96234043998  
 Status : Answered  
 Chosen Option : 3

Q.3  
3 A two piece propeller shaft \_\_\_\_\_.

- Ans
- 1. requires center support bearing
  - 2. cannot transmit power at an angle
  - 3. is made from a solid rod
  - 4. does not need any slip joint

Question ID : 96234010992  
 Option 1 ID : 96234043966  
 Option 2 ID : 96234043965  
 Option 3 ID : 96234043968  
 Option 4 ID : 96234043967  
 Status : Answered  
 Chosen Option : 2

Q.3  
4 The difference between a two-stroke and a four-stroke engine is the \_\_\_\_\_.

- Ans
- 1. thermodynamic cycle
  - 2. type of ignition
  - 3. compression ratio
  - 4. type of fuel used

Question ID : 96234010955  
 Option 1 ID : 96234043817  
 Option 2 ID : 96234043820  
 Option 3 ID : 96234043818  
 Option 4 ID : 96234043819  
 Status : Answered  
 Chosen Option : 1

Q.3  
5 Which of the following devices is used to control the timing of a Distributor less Ignition System?

- Ans
- 1. Electrical device
  - 2. Magnetic triggering device
  - 3. Hydraulic device
  - 4. Pneumatic device

Question ID : 96234010961  
Option 1 ID : 96234043841  
Option 2 ID : 96234043844  
Option 3 ID : 96234043843  
Option 4 ID : 96234043842  
Status : Answered  
Chosen Option : 1

Q.3  
6 Which method should be used for cleaning the spark plugs?

- Ans
- 1. Cleaning with wet cloth
  - 2. Washing with solvent
  - 3. Rubbing with emery paper
  - 4. Sand blasting

Question ID : 96234011005  
Option 1 ID : 96234044020  
Option 2 ID : 96234044018  
Option 3 ID : 96234044019  
Option 4 ID : 96234044017  
Status : Answered  
Chosen Option : 3

Q.3  
7 Which of the following components replaces a pickup coil in a DLI system?

- Ans
- 1. Igniter
  - 2. Transistor
  - 3. Heater plug
  - 4. ECM

Question ID : 96234011007  
Option 1 ID : 96234044026  
Option 2 ID : 96234044027  
Option 3 ID : 96234044028  
Option 4 ID : 96234044025  
Status : Answered  
Chosen Option : 2

Q.3  
8 The voltage generated by an alternator in an automobile is controlled by the \_\_\_\_\_.

- Ans
- 1. brushes
  - 2. rotor
  - 3. starter
  - 4. rotor winding

Question ID : 96234010963  
Option 1 ID : 96234043850  
Option 2 ID : 96234043849  
Option 3 ID : 96234043851  
Option 4 ID : 96234043852  
Status : Answered  
Chosen Option : 4

Q.3  
9 The clutch is located between the engine and the \_\_\_\_\_.

- Ans
- 1. differential gear
  - 2. universal joint
  - 3. rear axle
  - 4. gearbox

Question ID : 96234010990  
Option 1 ID : 96234043959  
Option 2 ID : 96234043957  
Option 3 ID : 96234043958  
Option 4 ID : 96234043960  
Status : Answered  
Chosen Option : 4

Q.4  
0 Which of the following is NOT related to diesel engines?

- Ans
- 1. DDIS
  - 2. CRDI
  - 3. D4D
  - 4. MPFI

Question ID : 96234011010  
Option 1 ID : 96234044037  
Option 2 ID : 96234044038  
Option 3 ID : 96234044039  
Option 4 ID : 96234044040  
Status : Answered  
Chosen Option : 3

Q.4  
1 The idle speed control of an electronic fuel injection system uses a/an \_\_\_\_\_.

- Ans
- 1. air control motor
  - 2. pneumatic system
  - 3. hydraulic system
  - 4. idling jet system

Question ID : 96234010958  
Option 1 ID : 96234043829  
Option 2 ID : 96234043831  
Option 3 ID : 96234043832  
Option 4 ID : 96234043830  
Status : Answered  
Chosen Option : 4

Q.4  
2 At what speed the camshaft of an IC engine rotates with respect to the crank shaft?

- Ans
- 1. Same speed
  - 2. Half speed

3. Double speed

4. Triple speed

Question ID : 96234010972

Option 1 ID : 96234043887

Option 2 ID : 96234043886

Option 3 ID : 96234043885

Option 4 ID : 96234043888

Status : Answered

Chosen Option : 2

Q.4 A/An \_\_\_\_\_ controls the maximum oil pressure in the lubrication system of an automobile.

3

Ans  1. oil filter

2. pressure relief valve

3. pump motor

4. pressure switch

Question ID : 96234010988

Option 1 ID : 96234043952

Option 2 ID : 96234043950

Option 3 ID : 96234043949

Option 4 ID : 96234043951

Status : Answered

Chosen Option : 2

Q.4 Which of the following activities does NOT increase the tyre life?

4

Ans  1. 'Penny test' to check the depth of treads

2. Adjustment of tyre inflation pressure

3. Wheel alignment as per the service manual

4. Tyre rotation

Question ID : 96234011014

Option 1 ID : 96234044054

Option 2 ID : 96234044056

Option 3 ID : 96234044053

Option 4 ID : 96234044055

Status : Answered

Chosen Option : 1

Q.4 Which of the following is a part of a four-stroke diesel engine?

5

Ans  1. Spark plug

2. Contact breaker

3. Fuel injector

4. Ignition coil

Question ID : 96234010954

Option 1 ID : 96234043813

Option 2 ID : 96234043816

Option 3 ID : 96234043814

Option 4 ID : 96234043815

Status : Answered

Chosen Option : 3

Q.4 For which of the following fuels, a conventional diesel engine will need minimum changes or modifications?

6

- Ans
- 1. Petrol
  - 2. Kerosene
  - 3. Ammonia
  - 4. Alcohol

Question ID : 96234010986

Option 1 ID : 96234043944

Option 2 ID : 96234043943

Option 3 ID : 96234043941

Option 4 ID : 96234043942

Status : Answered

Chosen Option : 2

Q.4 Which of the following parts of an SI engine is NOT used in a diesel engine?

7

- Ans
- 1. Valves
  - 2. Timing gears
  - 3. Camshaft
  - 4. Spark plug

Question ID : 96234010957

Option 1 ID : 96234043826

Option 2 ID : 96234043828

Option 3 ID : 96234043825

Option 4 ID : 96234043827

Status : Answered

Chosen Option : 4

Q.4 While operating the braking system the kinetic energy of a moving vehicle is converted into \_\_\_\_\_.

8

- Ans
- 1. work energy
  - 2. pressure energy
  - 3. heat energy
  - 4. potential energy

Question ID : 96234010978

Option 1 ID : 96234043911

Option 2 ID : 96234043909

Option 3 ID : 96234043910

Option 4 ID : 96234043912

Status : Answered

Chosen Option : 2

Q.4  
9 Theoretically, a 4-stroke SI engine works on which of the following cycles?

- Ans
- 1. Bell-Coleman cycle
  - 2. Joule cycle
  - 3. Brayton cycle
  - 4. Otto cycle

Question ID : 96234010981  
Option 1 ID : 96234043921  
Option 2 ID : 96234043922  
Option 3 ID : 96234043923  
Option 4 ID : 96234043924  
Status : Answered  
Chosen Option : 4

Q.5  
0 Which of the following is NOT a component of an air brake system?

- Ans
- 1. Steering
  - 2. Foot valve
  - 3. Brake shoes and drums
  - 4. Compressor

Question ID : 96234010952  
Option 1 ID : 96234043805  
Option 2 ID : 96234043807  
Option 3 ID : 96234043808  
Option 4 ID : 96234043806  
Status : Answered  
Chosen Option : 1

Q.5  
1 Which of the following is the most likely reason for engine overheating?

- Ans
- 1. Clogged radiator
  - 2. Thermostat valve stuck open
  - 3. Defective clutch of the compressor
  - 4. Radiator fan running continuously

Question ID : 96234011018  
Option 1 ID : 96234044069  
Option 2 ID : 96234044070  
Option 3 ID : 96234044072  
Option 4 ID : 96234044071  
Status : Answered  
Chosen Option : 2

Q.5  
2 Which of the following is directly driven by a starter motor?

- Ans
- 1. Flywheel
  - 2. Rear axle

- 3. Crankshaft
- 4. Camshaft

Question ID : 96234010989  
Option 1 ID : 96234043954  
Option 2 ID : 96234043953  
Option 3 ID : 96234043955  
Option 4 ID : 96234043956  
Status : Answered  
Chosen Option : 1

Q.5  
3 Which of the following pollutants is a major cause of photochemical smog?

- Ans
- 1. CO
  - 2. HC
  - 3. NO<sub>x</sub>
  - 4. SO<sub>x</sub>

Question ID : 96234010987  
Option 1 ID : 96234043948  
Option 2 ID : 96234043947  
Option 3 ID : 96234043946  
Option 4 ID : 96234043945  
Status : Answered  
Chosen Option : 1

Q.5  
4 Thermocouples are used for measurement of \_\_\_\_\_.

- Ans
- 1. voltage
  - 2. pressure
  - 3. temperature
  - 4. resistance

Question ID : 96234010951  
Option 1 ID : 96234043803  
Option 2 ID : 96234043801  
Option 3 ID : 96234043802  
Option 4 ID : 96234043804  
Status : Answered  
Chosen Option : 3

Q.5  
5 A/An \_\_\_\_\_ is a sensor which measures the outside air entering the engine.

- Ans
- 1. Throttle Position Sensor (TPS)
  - 2. Oxygen sensor
  - 3. Manifold Absolute Pressure sensor (MAP)
  - 4. Mass Air Flow sensor (MAF)

Question ID : 96234010959  
Option 1 ID : 96234043833  
Option 2 ID : 96234043834



Option 3 ID : 96234043836

Option 4 ID : 96234043835

Status : Answered

Chosen Option : 4

Q.5 Which of the following should be checked first, if the bulb on the dashboard of an automobile does not light when the  
6 ignition key is in the 'ON' position?

- Ans
- 1. ECM
  - 2. Wiring
  - 3. Bulb
  - 4. Electrolyte level in the battery

Question ID : 96234011019

Option 1 ID : 96234044076

Option 2 ID : 96234044075

Option 3 ID : 96234044073

Option 4 ID : 96234044074

Status : Answered

Chosen Option : 3

Q.5 In an automobile suspension system, a stabilizer rod is used to reduce the vehicle's tendency to \_\_\_\_\_.  
7

- Ans
- 1. yaw
  - 2. pitch
  - 3. dip
  - 4. roll

Question ID : 96234010998

Option 1 ID : 96234043989

Option 2 ID : 96234043990

Option 3 ID : 96234043992

Option 4 ID : 96234043991

Status : Answered

Chosen Option : 4

Q.5 While carrying out servicing of a hydraulically controlled clutch, which of the following should be replaced?  
8

- Ans
- 1. Pilot bearing
  - 2. Clutch linkage
  - 3. Clutch fluid
  - 4. Input shaft

Question ID : 96234011020

Option 1 ID : 96234044079

Option 2 ID : 96234044078

Option 3 ID : 96234044077

Option 4 ID : 96234044080

Status : Answered

Chosen Option : 3

Q.5

9 An ignition timing mark is provided on which of the following?

- Ans
- 1. Distributor shaft
  - 2. Gearbox shaft
  - 3. Flywheel
  - 4. Camshaft

Question ID : 96234011004  
Option 1 ID : 96234044015  
Option 2 ID : 96234044016  
Option 3 ID : 96234044013  
Option 4 ID : 96234044014  
Status : Answered  
Chosen Option : 1

Q.6  
0 How many filaments does a sealed beam headlight bulb contain?

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

Question ID : 96234011024  
Option 1 ID : 96234044096  
Option 2 ID : 96234044093  
Option 3 ID : 96234044094  
Option 4 ID : 96234044095  
Status : Answered  
Chosen Option : 2

Q.6  
1 Exhaust Gas recirculation is used to reduce the \_\_\_\_\_.

- Ans
- 1. hydrocarbon emission
  - 2. carbon monoxide emission
  - 3. sulphur dioxide emission
  - 4. nitrogen oxide emission

Question ID : 96234010973  
Option 1 ID : 96234043889  
Option 2 ID : 96234043891  
Option 3 ID : 96234043892  
Option 4 ID : 96234043890  
Status : Answered  
Chosen Option : 2

Q.6  
2 Which is NOT a component of starting system of an automobile?

- Ans
- 1. Solenoid
  - 2. Brush Carrier
  - 3. Crank pin

4. Armature

Question ID : 96234010966  
Option 1 ID : 96234043863  
Option 2 ID : 96234043861  
Option 3 ID : 96234043862  
Option 4 ID : 96234043864  
Status : Answered  
Chosen Option : 3

Q.6  
3 Which of the following is the reason for a spongy brake pedal in a hydraulic braking system?

- Ans
- 1. Dirt on the disc
  - 2. Faulty metering valve
  - 3. Air in the system
  - 4. Frozen piston of the caliper

Question ID : 96234011016  
Option 1 ID : 96234044064  
Option 2 ID : 96234044062  
Option 3 ID : 96234044061  
Option 4 ID : 96234044063  
Status : Answered  
Chosen Option : 3

Q.6  
4 A bounce test is carried out to check the functioning of a \_\_\_\_\_.

- Ans
- 1. front axle
  - 2. braking system
  - 3. shock absorber
  - 4. steering system

Question ID : 96234011022  
Option 1 ID : 96234044088  
Option 2 ID : 96234044086  
Option 3 ID : 96234044087  
Option 4 ID : 96234044085  
Status : Answered  
Chosen Option : 3

Q.6  
5 Which of the following is used for measuring the clearance between the valve and the tappet of a valve actuating mechanism?

- Ans
- 1. Feeler gauge
  - 2. Vernier caliper
  - 3. Micrometer
  - 4. Slip gauge

Question ID : 96234011008  
Option 1 ID : 96234044032  
Option 2 ID : 96234044029  
Option 3 ID : 96234044030

Option 4 ID : 96234044031

Status : Answered

Chosen Option : 4

Q.6 In a conventional single plate clutch, the pressure plate is held against the clutch plate by the \_\_\_\_\_.

6

- Ans
- 1. thrust bearings
  - 2. springs
  - 3. levers
  - 4. struts

Question ID : 96234010991

Option 1 ID : 96234043962

Option 2 ID : 96234043961

Option 3 ID : 96234043963

Option 4 ID : 96234043964

Status : Answered

Chosen Option : 2

Q.6 In the case of a diesel engine, the power output CANNOT be increased by \_\_\_\_\_.

7

- Ans
- 1. increasing the compression ratio
  - 2. excess supply of air
  - 3. fine atomisation of the diesel fuel
  - 4. supplying air at an increased pressure

Question ID : 96234010982

Option 1 ID : 96234043928

Option 2 ID : 96234043926

Option 3 ID : 96234043927

Option 4 ID : 96234043925

Status : Answered

Chosen Option : 2

Q.6 Which of the following is the most accurate fuel injection system for SI engines?

8

- Ans
- 1. Direct injection
  - 2. Manifold injection
  - 3. Throttle body injection
  - 4. Port injection

Question ID : 96234011009

Option 1 ID : 96234044036

Option 2 ID : 96234044033

Option 3 ID : 96234044034

Option 4 ID : 96234044035

Status : Answered

Chosen Option : 1

Q.6 In a power transmission system, which of the following devices is there between the drive shaft and the differential?

9

- Ans
- 1. Final drive
  - 2. Axels
  - 3. Clutches
  - 4. Universal Joint

Question ID : 96234010953  
Option 1 ID : 96234043811  
Option 2 ID : 96234043812  
Option 3 ID : 96234043809  
Option 4 ID : 96234043810  
Status : Answered  
Chosen Option : 4

Q.7  
0 What is a torsion bar?

- Ans
- 1. It is used to measure the throttle position.
  - 2. It is a type of spring.
  - 3. It is a rigid or non-deformable link.
  - 4. It is a device used to measure the engine torque.

Question ID : 96234011003  
Option 1 ID : 96234044011  
Option 2 ID : 96234044009  
Option 3 ID : 96234044010  
Option 4 ID : 96234044012  
Status : Answered  
Chosen Option : 2

Q.7  
1 A voltage regulator is used to vary the \_\_\_\_\_.

- Ans
- 1. ignition coil voltage
  - 2. spark voltage
  - 3. battery voltage
  - 4. charging voltage

Question ID : 96234010964  
Option 1 ID : 96234043855  
Option 2 ID : 96234043856  
Option 3 ID : 96234043854  
Option 4 ID : 96234043853  
Status : Answered  
Chosen Option : 2

Q.7  
2 The difference between a CI engine and an SI engine is the \_\_\_\_\_.

- Ans
- 1. type of ignition
  - 2. type of the valve used
  - 3. type of the flywheel

4. type of the crankshaft

Question ID : 96234010956  
 Option 1 ID : 96234043822  
 Option 2 ID : 96234043821  
 Option 3 ID : 96234043823  
 Option 4 ID : 96234043824  
 Status : Answered  
 Chosen Option : 1

Q.7 The process of brake bleeding is carried out to free the hydraulic braking system from the \_\_\_\_\_.  
 3

- Ans
- 1. excess fluid
  - 2. excess pressure
  - 3. air
  - 4. vacuum

Question ID : 96234011001  
 Option 1 ID : 96234044002  
 Option 2 ID : 96234044003  
 Option 3 ID : 96234044004  
 Option 4 ID : 96234044001  
 Status : Answered  
 Chosen Option : 1

Q.7 While overtaking a vehicle, an extra amount of fuel, momentarily required to supply a rich mixture in case of a  
 4 carburetor is provided by a/an \_\_\_\_\_.

- Ans
- 1. accelerating system
  - 2. choke system
  - 3. idling system
  - 4. power enrichment system

Question ID : 96234010971  
 Option 1 ID : 96234043883  
 Option 2 ID : 96234043884  
 Option 3 ID : 96234043881  
 Option 4 ID : 96234043882  
 Status : Answered  
 Chosen Option : 1

Q.7 In a Distributor less Ignition System, the distributor is replaced by the \_\_\_\_\_.  
 5

- Ans
- 1. brushes
  - 2. rotor
  - 3. ignition switch
  - 4. insulated coils

Question ID : 96234010960  
 Option 1 ID : 96234043837  
 Option 2 ID : 96234043839  
 Option 3 ID : 96234043840

Option 4 ID : **96234043838**

Status : **Answered**

Chosen Option : **2**

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