



## RAILWAY RECRUITMENT BOARDS

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

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

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

#### Section : Part A

Q.1 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

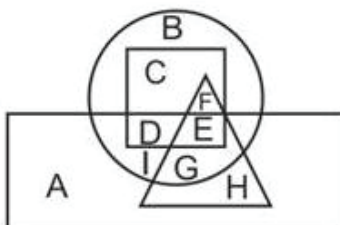
Option 3 ID : 96234043531

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

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

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  
8 Molar specific heat capacity of a substance is \_\_\_\_\_.

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  
9 Which Indian cricketer received the Padma Bhushan in 2018?

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

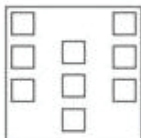
- Ans
- ☒ 1. feet
  - ☒ 2. eye
  - ☒ 3. head
  - ☒ 4. ear

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. 

✗ 4.



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  
7 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 : 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?

- 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 \_\_\_\_\_.

- 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.

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

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.  $154 \text{ cm}^2$

☒ 2.  $924 \text{ cm}^2$

☒ 3.  $616 \text{ cm}^2$

☒ 4.  $308 \text{ cm}^2$

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  
2 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  
3 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  
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 5 A number is as much greater than 50 as it is lesser than 84. What is the number?

- 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 6 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. 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 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\_\_\_\_\_.

- 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).

- 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. 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  $x = 0\text{ m}$  and moves with a constant acceleration of  $1.6\text{ m/s}^2$  along the x-axis. During its journey from  $x = 12.8\text{ m}$  to  $x = 20.0\text{ m}$ , 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 \_\_\_\_\_.

- 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

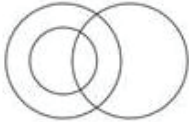

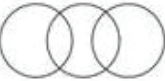
Question ID : 96234010871  
Option 1 ID : 96234043484  
Option 2 ID : 96234043481  
Option 3 ID : 96234043483  
Option 4 ID : 96234043482  
Status : Answered  
Chosen Option : 2

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 \_\_\_\_.

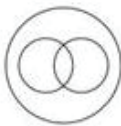
- Ans
- ☐ 1.  $4R$
  - ☐ 2.  $R/2$
  - ☐ 3.  $R$
  - ☒ 4.  $2R$

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?

- Ans
- ☐ 1. 
  - ☒ 2. 
  - ☐ 3. 

✗ 4.



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

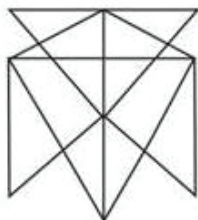
Option 3 ID : 96234043501

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

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

- 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 J/s m K) has an area of cross section 0.04 m<sup>2</sup> 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. 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. OOOXXXXX
  - 2. OOOXXXX
  - 3. OXXXXXX
  - 4. XXXXXXX

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 H and G \* H means G is husband of H, which of the following  
3 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 : 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 5 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. 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 6 Where is the Headquarters of UNESCO located?

- 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

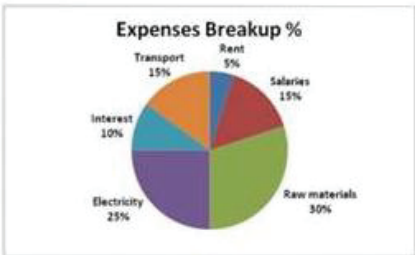
Q.8 7 An airplane flies at the speed of 50 m/s. How much distance (in km) will it cover in a flight of 5 hours?

- 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.

0

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 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?

3

- 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.

- 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?

- Ans ☒ 1. Spur  
2

- ☒ 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  
3 A/An \_\_\_\_\_ controls the maximum oil pressure in the lubrication system of an automobile.

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

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  
5 Which of the following is a part of a four-stroke diesel engine?

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

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

- 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  
4 While overtaking a vehicle, an extra amount of fuel, momentarily required to supply a rich mixture in case of a 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  
5 In a Distributor less Ignition System, the distributor is replaced by the \_\_\_\_\_.

- 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

