RAILWAY RECRUITMENT BOARDS
रेलवे भर्ती बोर्ड

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

Roll No:	1
Participants Name:	
Test Center Name:	iON Digital Zone iDZ 1 Patia
Test Date:	23/01/2019
Test Time:	4:30 PM - 7:00 PM
Subject:	**Part A and Exam Trade : Heat Engine**

1. Options shown in green color with a tick icon are correct
2. Chosen option on top right of the question indicates the option selected by the candidate
3. 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 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. Neither I nor II is implicit
✓ 2. Only assumption I is implicit
✗ 3. Only assumption II is implicit
✗ 4. Both I and II are implicit

Question ID : **96234010424**
Option 1 ID : **96234041696**
Option 2 ID : **96234041693**
Option 3 ID : **96234041694**
Option 4 ID : **96234041695**
Status : **Answered**
Chosen Option : **2**

Q.2 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. 2R
✗ 2. R/2
✗ 3. 4R
✗ 4. R

Question ID : **96234010372**
Option 1 ID : **96234041487**
Option 2 ID : **96234041485**
Option 3 ID : **96234041488**
Option 4 ID : **96234041486**
Status : **Answered**
Chosen Option : **4**

Q.3 Molar specific heat capacity of a substance is _____.

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

Question ID : **96234010353**
Option 1 ID : **96234041410**
Option 2 ID : **96234041412**
Option 3 ID : **96234041411**
Option 4 ID : **96234041409**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.4 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. 880
2. 895
3. 900
4. 850

Question ID : **96234010384**
Option 1 ID : **96234041534**
Option 2 ID : **96234041535**
Option 3 ID : **96234041536**
Option 4 ID : **96234041533**
Status : **Answered**
Chosen Option : **3**

Q.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. 4 km west
2. 8 km west
3. 4 km east
4. 8 km east

Question ID : **96234010422**
Option 1 ID : **96234041688**
Option 2 ID : **96234041686**
Option 3 ID : **96234041687**
Option 4 ID : **96234041685**
Status : **Answered**
Chosen Option : **4**

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

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

Question ID : **96234010373**
Option 1 ID : **96234041490**
Option 2 ID : **96234041492**
Option 3 ID : **96234041491**

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Option 4 ID : **96234041489**
Status : **Answered**
Chosen Option : **1**

Q.7 A and B can do a work in 15 days, B and C can do the work in 20 days and A and C can do the work in 10 days. In how many days will they together complete the work?

Ans
✗ 1. 10.71 days
✓ 2. 9.23 days
✗ 3. 10.91 days
✗ 4. 10.67 days

Question ID : **96234010398**
Option 1 ID : **96234041590**
Option 2 ID : **96234041591**
Option 3 ID : **96234041592**
Option 4 ID : **96234041589**
Status : **Answered**
Chosen Option : **2**

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

Ans
✗ 1. 30
✓ 2. 36
✗ 3. 32
✗ 4. 34

Question ID : **96234010395**
Option 1 ID : **96234041577**
Option 2 ID : **96234041580**
Option 3 ID : **96234041578**
Option 4 ID : **96234041579**
Status : **Answered**
Chosen Option : **2**

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

Ans
✗ 1. 250.5
✗ 2. 0.2505
✗ 3. 2.505
✓ 4. 25.05

Question ID : **96234010378**
Option 1 ID : **96234041512**
Option 2 ID : **96234041511**
Option 3 ID : **96234041509**
Option 4 ID : **96234041510**
Status : **Answered**
Chosen Option : **3**

Q.10 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.

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

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Question ID : **96234010411**
Option 1 ID : **96234041642**
Option 2 ID : **96234041644**
Option 3 ID : **96234041643**
Option 4 ID : **96234041641**
Status : **Answered**
Chosen Option : **2**

Q.11 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. Neither I nor II follows
✗ 2. Both I and II follow
✓ 3. Only conclusion II follows
✗ 4. Only conclusion I follows

Question ID : **96234010410**
Option 1 ID : **96234041640**
Option 2 ID : **96234041639**
Option 3 ID : **96234041638**
Option 4 ID : **96234041637**
Status : **Answered**
Chosen Option : **1**

Q.12 Identify the material having high coefficient of volume expansion.

Ans
✗ 1. Glass
✓ 2. Alcohol
✗ 3. Water
✗ 4. Brass

Question ID : **96234010350**
Option 1 ID : **96234041399**
Option 2 ID : **96234041397**
Option 3 ID : **96234041398**
Option 4 ID : **96234041400**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.13 Select the option that is related to the third number in the same way as the second number is related to the first number.

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

Ans
✗ 1. -7/3
✓ 2. -2/13
✗ 3. 3/7
✗ 4. 2/13

Question ID : **96234010402**
Option 1 ID : **96234041607**
Option 2 ID : **96234041608**
Option 3 ID : **96234041606**
Option 4 ID : **96234041605**
Status : **Answered**
Chosen Option : **2**

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Q.14 A got ₹80 as his share of profit where the total profit was ₹240 and the ratio of profit distribution between A and B was x : 2. What is the value of x?

Ans
✗ 1. 4
✗ 2. 2
✗ 3. 5
✓ 4. 1

Question ID : **96234010394**
Option 1 ID : **96234041575**
Option 2 ID : **96234041574**
Option 3 ID : **96234041576**
Option 4 ID : **96234041573**
Status : **Answered**
Chosen Option : **4**

Q.15 What is the unit's digit in $3^{66} \times 6^{41} \times 7^{53}$

Ans
✗ 1. 7
✗ 2. 3
✗ 3. 6
✓ 4. 8

Question ID : **96234010377**
Option 1 ID : **96234041506**
Option 2 ID : **96234041508**
Option 3 ID : **96234041507**
Option 4 ID : **96234041505**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.16 Unscramble the letters in the words given below and find the odd word out.

Ans
✗ 1. ILNO
✓ 2. WCO
✗ 3. FLOW
✗ 4. ERTIG

Question ID : **96234010412**
Option 1 ID : **96234041645**
Option 2 ID : **96234041647**
Option 3 ID : **96234041648**
Option 4 ID : **96234041646**
Status : **Answered**
Chosen Option : **3**

Q.17 Two resistors, one of 12 Ω and the other of 24 Ω are connected in parallel. This combination is connected in series with a 22 Ω resistor and a 12 V battery. The current in the 12 Ω resistor is_____.

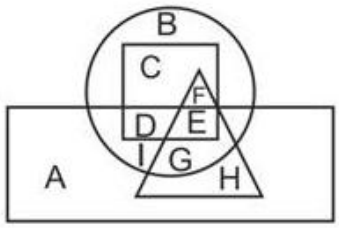
Ans
✗ 1. (2/15) A
✗ 2. (6/15) A
✓ 3. (4/15) A
✗ 4. (8/15) A

Question ID : **96234010366**
Option 1 ID : **96234041461**
Option 2 ID : **96234041463**
Option 3 ID : **96234041462**

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Option 4 ID : **96234041464**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.18 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. GEF
✘ 2. IGH
✘ 3. DEF
✘ 4. DEIG

Question ID : **96234010413**
Option 1 ID : **96234041650**
Option 2 ID : **96234041652**
Option 3 ID : **96234041651**
Option 4 ID : **96234041649**
Status : **Answered**
Chosen Option : **1**

Q.19 The volume of a given amount of water _____ between 0° C to 4° C.

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

Question ID : **96234010341**
Option 1 ID : **96234041361**
Option 2 ID : **96234041364**
Option 3 ID : **96234041362**
Option 4 ID : **96234041363**
Status : **Answered**
Chosen Option : **3**

Q.20 In an examination, the highest score and the lowest score differed by 55 and the higher one was 9/4 times the lower one. What is the lowest score?

Ans
✘ 1. 36
✘ 2. 40
✔ 3. 44
✘ 4. 48

Question ID : **96234010387**
Option 1 ID : **96234041545**
Option 2 ID : **96234041546**
Option 3 ID : **96234041547**
Option 4 ID : **96234041548**
Status : **Answered**

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Chosen Option : **3**

Q.21 If a body has a specific gravity of less than 1, then it will float in/on _____.

Ans
✗ 1. air
✗ 2. liquids
✗ 3. mercury
✓ 4. water

Question ID : **96234010343**
Option 1 ID : **96234041370**
Option 2 ID : **96234041372**
Option 3 ID : **96234041369**
Option 4 ID : **96234041371**
Status : **Answered**
Chosen Option : **4**

Q.22 An object weighs X units on the earth. If we take the same object to the moon, its weight there will be _____.

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

Question ID : **96234010344**
Option 1 ID : **96234041374**
Option 2 ID : **96234041373**
Option 3 ID : **96234041376**
Option 4 ID : **96234041375**
Status : **Answered**
Chosen Option : **1**

Q.23 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'.

Ans
✗ 1. 4
✗ 2. 2
✓ 3. 8
✗ 4. 5

Question ID : **96234010405**
Option 1 ID : **96234041617**
Option 2 ID : **96234041618**
Option 3 ID : **96234041620**
Option 4 ID : **96234041619**
Status : **Answered**
Chosen Option : **3**

Q.24 A car covers 400 m in 20 seconds. Find the average speed (in km/hr) of the car.

Ans
✗ 1. 108
✗ 2. 36
✗ 3. 124
✓ 4. 72

Question ID : **96234010369**
Option 1 ID : **96234041475**
Option 2 ID : **96234041473**

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Option 3 ID : **96234041476**
Option 4 ID : **96234041474**
Status : **Answered**
Chosen Option : **4**

Q.25 In angular measurements, one radian is equivalent to _____ degrees (approximately).

Ans
✗ 1. 90
✓ 2. 57.27
✗ 3. 180
✗ 4. 65.27

Question ID : **96234010337**
Option 1 ID : **96234041346**
Option 2 ID : **96234041347**
Option 3 ID : **96234041345**
Option 4 ID : **96234041348**
Status : **Answered**
Chosen Option : **2**

Q.26 Two resistors of 2 Ω and 6 Ω are connected in series and this combination is connected across a 12 V battery. Find the power supplied by the battery.

Ans
✓ 1. 18 W
✗ 2. 10 W
✗ 3. 14 W
✗ 4. 16 W

Question ID : **96234010375**
Option 1 ID : **96234041500**
Option 2 ID : **96234041497**
Option 3 ID : **96234041498**
Option 4 ID : **96234041499**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.27 A brass rod (thermal conductivity 109 J/s m K) has an area of cross section 0.04 m^2 and length 20 cm. If the two end of the rod are maintained at a temperature difference of 200°C, the rate of heat flow through the rod is _____.

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

Question ID : **96234010365**
Option 1 ID : **96234041458**
Option 2 ID : **96234041460**
Option 3 ID : **96234041457**
Option 4 ID : **96234041459**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.28 Two resistors of 2 Ω and 6 Ω are connected in series and this combination is connected across a 12 V battery. Find the current in the 6 Ω resistor.

Ans
✗ 1. 3.5 A
✗ 2. 0.5 A
✓ 3. 1.5 A
✗ 4. 2.5 A

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Question ID : **96234010374**
Option 1 ID : **96234041496**
Option 2 ID : **96234041493**
Option 3 ID : **96234041494**
Option 4 ID : **96234041495**
Status : **Answered**
Chosen Option : **3**

Q.29 Greater the value of _____ of a material, the more rapidly it will conduct heat.

Ans

✔ 1. thermal conductivity

✘ 2. regelation

✘ 3. melting point

✘ 4. latent heat

Question ID : **96234010354**
Option 1 ID : **96234041414**
Option 2 ID : **96234041416**
Option 3 ID : **96234041413**
Option 4 ID : **96234041415**
Status : **Answered**
Chosen Option : **1**

Q.30 In engineering drawing, the letters LH signifies _____.

Ans

✘ 1. Limit of Height

✘ 2. Low Heat

✔ 3. Left Hand

✘ 4. Level Hide

Question ID : **96234010349**
Option 1 ID : **96234041395**
Option 2 ID : **96234041393**
Option 3 ID : **96234041396**
Option 4 ID : **96234041394**
Status : **Answered**
Chosen Option : **3**

Q.31 If $\sin\Theta = 15/17$, then $\cot\Theta = ?$

Ans

✔ 1. $\frac{8}{15}$

✘ 2. $\frac{17}{15}$

✘ 3. $\frac{8}{17}$

✘ 4. $\frac{15}{8}$

Question ID : **96234010391**
Option 1 ID : **96234041562**
Option 2 ID : **96234041564**
Option 3 ID : **96234041563**
Option 4 ID : **96234041561**
Status : **Answered**
Chosen Option : **1**

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Q.32 Choose the figure that is different from the rest.

Ans

✔ 1. 

✘ 2. 

✘ 3. 

✘ 4. 

Question ID : **96234010421**
Option 1 ID : **96234041682**
Option 2 ID : **96234041681**
Option 3 ID : **96234041684**
Option 4 ID : **96234041683**
Status : **Answered**
Chosen Option : **1**

Q.33 Pipes A and B can fill a tank in 12 minutes and 16 minutes respectively. Both A and B are opened for 4 minutes and then A is closed. How much extra time will B take to fill the tank completely?

Ans

✔ 1. $\frac{20}{3}$ minutes

✘ 2. 6 minutes

✘ 3. 7 minutes

✘ 4. $\frac{21}{4}$ minutes

Question ID : **96234010392**
Option 1 ID : **96234041566**
Option 2 ID : **96234041567**
Option 3 ID : **96234041565**
Option 4 ID : **96234041568**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.34 A number is as much greater than 50 as it is lesser than 84. What is the number?

Ans

✘ 1. 66

✘ 2. 68

✔ 3. 67

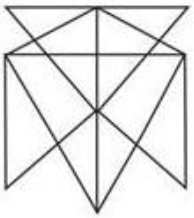
✘ 4. 65

Question ID : **96234010386**
Option 1 ID : **96234041542**
Option 2 ID : **96234041544**
Option 3 ID : **96234041543**

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Option 4 ID : **96234041541**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.35 What is the minimum number of lines required to make the given image?



Ans
1. 9 ✗
2. 11 ✓
3. 10 ✗
4. 12 ✗

Question ID : **96234010418**
Option 1 ID : **96234041669**
Option 2 ID : **96234041671**
Option 3 ID : **96234041670**
Option 4 ID : **96234041672**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.36 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?

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

Question ID : **96234010379**
Option 1 ID : **96234041513**
Option 2 ID : **96234041514**
Option 3 ID : **96234041515**
Option 4 ID : **96234041516**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.37 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. Smile ✗
2. Emotion ✗
3. Happy ✗
4. Sad ✓

Question ID : **96234010401**
Option 1 ID : **96234041603**
Option 2 ID : **96234041604**
Option 3 ID : **96234041602**
Option 4 ID : **96234041601**
Status : **Answered**
Chosen Option : **4**

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Q.38 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 : **96234010340**
Option 1 ID : **96234041357**
Option 2 ID : **96234041358**
Option 3 ID : **96234041360**
Option 4 ID : **96234041359**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.39 Reflection of point (-2, -6) on the Y-axis is:

Ans
✘ 1. (-6, -2)
✔ 2. (2, -6)
✘ 3. (-2, 6)
✘ 4. (2, 6)

Question ID : **96234010388**
Option 1 ID : **96234041551**
Option 2 ID : **96234041552**
Option 3 ID : **96234041549**
Option 4 ID : **96234041550**
Status : **Answered**
Chosen Option : **2**

Q.40 If G + H means G is daughter of H, G - H means G is sister H and G * H means G is husband of H, which of the following shows that I is the daughter of H?

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

Question ID : **96234010409**
Option 1 ID : **96234041634**
Option 2 ID : **96234041635**
Option 3 ID : **96234041636**
Option 4 ID : **96234041633**
Status : **Answered**
Chosen Option : **1**

Q.41 If $x = \sqrt{125} \times \sqrt{30} \times \sqrt{6}$, then x is equal to:

Ans
✘ 1. 175
✘ 2. 125
✔ 3. 150
✘ 4. 136

Question ID : **96234010397**
Option 1 ID : **96234041587**
Option 2 ID : **96234041585**

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Option 3 ID : **96234041586**
Option 4 ID : **96234041588**
Status : **Answered**
Chosen Option : **3**

Q.42 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 minutes
✗ 2. 9.4 minutes
✗ 3. 8.6 minutes
✓ 4. 9.6 minutes

Question ID : **96234010393**
Option 1 ID : **96234041571**
Option 2 ID : **96234041570**
Option 3 ID : **96234041572**
Option 4 ID : **96234041569**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.43 What is the distance between the points (4, 3) and (3, -2)?

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

Question ID : **96234010389**
Option 1 ID : **96234041555**
Option 2 ID : **96234041553**
Option 3 ID : **96234041556**
Option 4 ID : **96234041554**
Status : **Answered**
Chosen Option : **2**

Q.44 What is the median of 8, 5, 7, 9, 11, 6, 10 ?

Ans
✗ 1. 9
✗ 2. 7
✗ 3. 10
✓ 4. 8

Question ID : **96234010396**
Option 1 ID : **96234041583**
Option 2 ID : **96234041581**
Option 3 ID : **96234041584**
Option 4 ID : **96234041582**
Status : **Answered**
Chosen Option : **4**

Q.45 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

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Question ID : **96234010370**
Option 1 ID : **96234041477**
Option 2 ID : **96234041478**
Option 3 ID : **96234041480**
Option 4 ID : **96234041479**
Status : **Answered**
Chosen Option : **1**

Q.46 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. 9R
✘ 3. R
✘ 4. 3R

Question ID : **96234010367**
Option 1 ID : **96234041465**
Option 2 ID : **96234041466**
Option 3 ID : **96234041468**
Option 4 ID : **96234041467**
Status : **Answered**
Chosen Option : **3**

Q.47 The effort applied to move a load is 15 units and the machine advantage is observed to be 3. Find the load.

Ans
✘ 1. 15 units
✘ 2. 3 units
✘ 3. 5 units
✔ 4. 45 units

Question ID : **96234010361**
Option 1 ID : **96234041443**
Option 2 ID : **96234041444**
Option 3 ID : **96234041442**
Option 4 ID : **96234041441**
Status : **Answered**
Chosen Option : **4**

Q.48 Which of the following options does not have an SI base unit?

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

Question ID : **96234010336**
Option 1 ID : **96234041341**
Option 2 ID : **96234041342**
Option 3 ID : **96234041343**
Option 4 ID : **96234041344**
Status : **Answered**
Chosen Option : **4**

Q.49 Velocity ratio of simple machine is the ratio of distance travelled by the _____ to the distance travelled by the _____ in the machine.

Ans
✘ 1. effort; effort
✘ 2. load; effort

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✔ 3. effort; load

✘ 4. load; load

Question ID : **96234010359**
Option 1 ID : **96234041435**
Option 2 ID : **96234041434**
Option 3 ID : **96234041433**
Option 4 ID : **96234041436**
Status : **Answered**
Chosen Option : **3**

Q.50 Name the scientist who discovered bacteria.

Ans

✔ 1. AV Leeuwenhoek

✘ 2. Eugen Goldstein

✘ 3. Robert Koch

✘ 4. James Chadwick

Question ID : **96234010328**
Option 1 ID : **96234041312**
Option 2 ID : **96234041311**
Option 3 ID : **96234041309**
Option 4 ID : **96234041310**
Status : **Answered**
Chosen Option : **1**

Q.51 An object starts from rest at x = 0 m and moves with a constant acceleration of 1.6 m/s^2 along the x-axis. During its journey from x = 12.8 m to x = 20.0 m, its average velocity will be_____.

Ans

✘ 1. 8.8 m/s

✔ 2. 7.2 m/s

✘ 3. 3.6 m/s

✘ 4. 2.4 m/s

Question ID : **96234010363**
Option 1 ID : **96234041452**
Option 2 ID : **96234041451**
Option 3 ID : **96234041450**
Option 4 ID : **96234041449**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.52 If, '+' represents '×', '-' represents '+', '×' represents '÷' and '÷' represents '-', then find the value of the following expression.
9 × 3 + 6 ÷ 2 = ?

Ans

✘ 1. 20

✘ 2. 12

✔ 3. 16

✘ 4. 10

Question ID : **96234010406**
Option 1 ID : **96234041624**
Option 2 ID : **96234041622**
Option 3 ID : **96234041623**
Option 4 ID : **96234041621**
Status : **Answered**
Chosen Option : **3**

Q.53 Who was the first governor of the Reserve Bank of India?

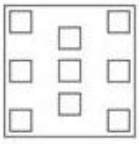
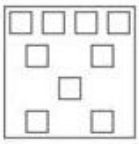
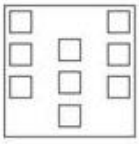
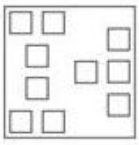
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Ans
1. Sir James Braid Taylor
2. KR Puri
3. HVR Iyengar
4. Sir Osborne A Smith

Question ID : **96234010334**
Option 1 ID : **96234041335**
Option 2 ID : **96234041333**
Option 3 ID : **96234041336**
Option 4 ID : **96234041334**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.54 Choose the figure that is different from the rest.

Ans
1. 
2. 
3. 
4. 

Question ID : **96234010420**
Option 1 ID : **96234041678**
Option 2 ID : **96234041679**
Option 3 ID : **96234041677**
Option 4 ID : **96234041680**
Status : **Answered**
Chosen Option : **4**

Q.55 Find the odd group of letters from the given alternatives.

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

Question ID : **96234010417**
Option 1 ID : **96234041666**
Option 2 ID : **96234041668**
Option 3 ID : **96234041667**
Option 4 ID : **96234041665**
Status : **Answered**
Chosen Option : **1**

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Q.56 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. ✗ Neither I nor II is strong.
2. ✓ Only argument II is strong.
3. ✗ Only argument I is strong.
4. ✗ Both I and II are strong.

Question ID : **96234010425**
Option 1 ID : **96234041700**
Option 2 ID : **96234041698**
Option 3 ID : **96234041697**
Option 4 ID : **96234041699**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.57 The Ajanta Caves in Maharashtra feature paintings and sculptures that depict _____ tales?

Ans
1. ✗ Arabic
2. ✗ Islamic
3. ✓ Buddhist
4. ✗ Maratha

Question ID : **96234010330**
Option 1 ID : **96234041320**
Option 2 ID : **96234041319**
Option 3 ID : **96234041318**
Option 4 ID : **96234041317**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.58 A body starts from rest. Its displacement is proportional to _____ when its acceleration is constant.

Ans
1. ✗ work
2. ✗ time
3. ✓ time squared
4. ✗ velocity

Question ID : **96234010368**
Option 1 ID : **96234041471**
Option 2 ID : **96234041470**
Option 3 ID : **96234041469**
Option 4 ID : **96234041472**
Status : **Answered**
Chosen Option : **3**

Q.59 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 4 km east of E
2. ✗ F is 4 km west of E
3. ✗ F is 18 km west of E
4. ✓ F is 18 km east of E

Question ID : **96234010423**

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Option 1 ID : **96234041690**
Option 2 ID : **96234041691**
Option 3 ID : **96234041689**
Option 4 ID : **96234041692**
Status : **Answered**
Chosen Option : **4**

Q.60 Safety boots or shoes must be worn in designated areas to protect your _____ from falling objects.

Ans
✗ 1. eye
✗ 2. head
✓ 3. feet
✗ 4. ear

Question ID : **96234010355**
Option 1 ID : **96234041418**
Option 2 ID : **96234041420**
Option 3 ID : **96234041419**
Option 4 ID : **96234041417**
Status : **Answered**
Chosen Option : **3**

Q.61 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 father of W
✗ 2. Z is mother of W
✗ 3. Z is wife of W
✗ 4. Z is daughter of W

Question ID : **96234010408**
Option 1 ID : **96234041630**
Option 2 ID : **96234041631**
Option 3 ID : **96234041629**
Option 4 ID : **96234041632**
Status : **Answered**
Chosen Option : **1**

Q.62 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. development
✓ 2. projection
✗ 3. animation
✗ 4. dimensioning

Question ID : **96234010346**
Option 1 ID : **96234041383**
Option 2 ID : **96234041381**
Option 3 ID : **96234041382**
Option 4 ID : **96234041384**
Status : **Answered**
Chosen Option : **2**

Q.63 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. Vit
✗ 2. Vi/t

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✗ 3. V/it

✗ 4. 1/Vit

Question ID : **96234010371**
Option 1 ID : **96234041481**
Option 2 ID : **96234041483**
Option 3 ID : **96234041482**
Option 4 ID : **96234041484**
Status : **Answered**
Chosen Option : **2**

Q.64 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. $L \times Ld$

✗ 2. $\frac{1}{L \times Ld}$

✗ 3. $\frac{Ld}{L}$

✗ 4. $\frac{L}{Ld}$

Question ID : **96234010360**
Option 1 ID : **96234041440**
Option 2 ID : **96234041438**
Option 3 ID : **96234041439**
Option 4 ID : **96234041437**
Status : **Answered**
Chosen Option : **1**

Q.65 A can do 2/5 of a work in 10 days. B can do ½ of the same work in 10 days. They worked together for 5 days and then A left. In how many days will B finish the remaining work?

Ans

✗ 1. 9

✗ 2. 10

✗ 3. 8

✓ 4. 11

Question ID : **96234010399**
Option 1 ID : **96234041595**
Option 2 ID : **96234041594**
Option 3 ID : **96234041596**
Option 4 ID : **96234041593**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.66 How many medals did India win in Rio Olympics, 2016?

Ans

✗ 1. 5

✗ 2. 4

✗ 3. 3

✓ 4. 2

Question ID : **96234010326**
Option 1 ID : **96234041302**
Option 2 ID : **96234041301**
Option 3 ID : **96234041303**
Option 4 ID : **96234041304**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

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Q.67 A _____ is a theoretical exact plane, axis or point location that GD & T or dimensional tolerances are referenced to.

Ans
1. ✔ datum
2. ✘ frame
3. ✘ flange
4. ✘ section

Question ID : **96234010345**
Option 1 ID : **96234041377**
Option 2 ID : **96234041380**
Option 3 ID : **96234041379**
Option 4 ID : **96234041378**
Status : **Answered**
Chosen Option : **1**

Q.68 The ages of X and Y are in the ratio 4 : 7. Three years earlier, the ratio of their ages was 1 : 2. What is the difference between their current ages (Y - X)?

Ans
1. ✔ 9
2. ✘ 7.5
3. ✘ 3
4. ✘ 6

Question ID : **96234010400**
Option 1 ID : **96234041600**
Option 2 ID : **96234041599**
Option 3 ID : **96234041597**
Option 4 ID : **96234041598**
Status : **Answered**
Chosen Option : **2**

Q.69 A 4-digit number 1xy7 is divisible by 11. What is the value of x-y?

Ans
1. ✘ - 4
2. ✔ - 6
3. ✘ - 8
4. ✘ - 2

Question ID : **96234010376**
Option 1 ID : **96234041502**
Option 2 ID : **96234041501**
Option 3 ID : **96234041504**
Option 4 ID : **96234041503**
Status : **Answered**
Chosen Option : **2**

Q.70 What is the least number which when doubled is perfectly divisible by 7, 12 and 15?

Ans
1. ✔ 210
2. ✘ 214
3. ✘ 215
4. ✘ 220

Question ID : **96234010382**
Option 1 ID : **96234041525**
Option 2 ID : **96234041528**
Option 3 ID : **96234041527**
Option 4 ID : **96234041526**

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Status : **Answered**
Chosen Option : **1**

Q.71 A sum of ₹2,000 was spent in buying a pair of trousers. The sum spent was 2/5th of the total money Shashi had with her. How much was the total money she had?

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

Question ID : **96234010381**
Option 1 ID : **96234041523**
Option 2 ID : **96234041522**
Option 3 ID : **96234041521**
Option 4 ID : **96234041524**
Status : **Answered**
Chosen Option : **4**

Q.72 A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
OOOOOX, OOOOXX, OOOXXX, OOXXXX, ?

Ans
1. OOXXXXX ✗
2. OOXXXX ✗
3. OXXXXX ✓
4. XXXXXX ✗

Question ID : **96234010403**
Option 1 ID : **96234041610**
Option 2 ID : **96234041612**
Option 3 ID : **96234041609**
Option 4 ID : **96234041611**
Status : **Answered**
Chosen Option : **3**

Q.73 Which one of these is a harvest festival?

Ans
1. Teej ✗
2. Janmashtami ✗
3. Deepawali ✗
4. Onam ✓

Question ID : **96234010327**
Option 1 ID : **96234041308**
Option 2 ID : **96234041305**
Option 3 ID : **96234041307**
Option 4 ID : **96234041306**
Status : **Answered**
Chosen Option : **4**

Q.74 Identify the material having low coefficient of volume expansion

Ans
1. Brass ✗
2. Mercury ✗
3. Iron ✓
4. Aluminium ✗

Question ID : **96234010351**

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Option 1 ID : **96234041402**
Option 2 ID : **96234041401**
Option 3 ID : **96234041403**
Option 4 ID : **96234041404**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.75 Which Indian cricketer received the Padma Bhushan in 2018?

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

Question ID : **96234010331**
Option 1 ID : **96234041323**
Option 2 ID : **96234041322**
Option 3 ID : **96234041321**
Option 4 ID : **96234041324**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.76 Substances that are broken down by biological processes are said to be _____.

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

Question ID : **96234010339**
Option 1 ID : **96234041354**
Option 2 ID : **96234041353**
Option 3 ID : **96234041355**
Option 4 ID : **96234041356**
Status : **Answered**
Chosen Option : **3**

Q.77 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. II alone is sufficient while I alone is not sufficient
✗ 2. I alone is sufficient while II alone is not sufficient
✗ 3. Neither I nor II is sufficient
✓ 4. Either I or II is sufficient

Question ID : **96234010415**
Option 1 ID : **96234041658**
Option 2 ID : **96234041657**
Option 3 ID : **96234041660**
Option 4 ID : **96234041659**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.78 If a body is NOT homogeneous, then its density is a function of its _____.

Ans

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✔ 1. position
✘ 2. pressure
✘ 3. acceleration
✘ 4. velocity

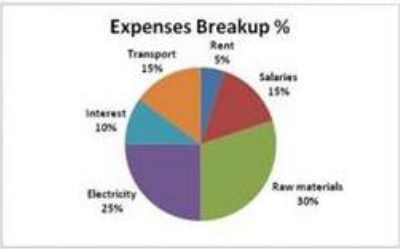
Question ID : **96234010342**
Option 1 ID : **96234041365**
Option 2 ID : **96234041368**
Option 3 ID : **96234041367**
Option 4 ID : **96234041366**
Status : **Answered**
Chosen Option : **2**

Q.79 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. ₹1,920
✘ 2. ₹2,040
✘ 3. ₹1,960
✔ 4. ₹2,000

Question ID : **96234010380**
Option 1 ID : **96234041517**
Option 2 ID : **96234041520**
Option 3 ID : **96234041518**
Option 4 ID : **96234041519**
Status : **Answered**
Chosen Option : **4**

Q.80 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. ₹1,800
✘ 3. ₹9,000
✔ 4. ₹2,500

Question ID : **96234010416**
Option 1 ID : **96234041662**
Option 2 ID : **96234041664**
Option 3 ID : **96234041663**
Option 4 ID : **96234041661**
Status : **Answered**
Chosen Option : **4**

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Q.81 A software program that has been developed to harm other computers is called a/an _____.

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

Question ID : **96234010357**
Option 1 ID : **96234041428**
Option 2 ID : **96234041426**
Option 3 ID : **96234041427**
Option 4 ID : **96234041425**
Status : **Answered**
Chosen Option : **4**

Q.82 Which two signs should be interchanged to make the given equation correct?

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

Ans
1. ÷ and -
2. + and ×
3. × and -
4. + and -

Question ID : **96234010407**
Option 1 ID : **96234041627**
Option 2 ID : **96234041625**
Option 3 ID : **96234041628**
Option 4 ID : **96234041626**
Status : **Answered**
Chosen Option : **1**

Q.83 $86^{\circ}F$ is equal to _____ .

Ans
1. $10^{\circ}C$
2. $20^{\circ}C$
3. $34^{\circ}C$
4. $30^{\circ}C$

Question ID : **96234010352**
Option 1 ID : **96234041405**
Option 2 ID : **96234041406**
Option 3 ID : **96234041408**
Option 4 ID : **96234041407**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.84 A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.

1.14, 1.28, 1.42, ?, 1.70, 1.84

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

Question ID : **96234010404**
Option 1 ID : **96234041614**
Option 2 ID : **96234041613**

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Option 3 ID : **96234041615**
Option 4 ID : **96234041616**
Status : **Answered**
Chosen Option : **1**

Q.85 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. 7%
✘ 2. 1%
✘ 3. 8%
✘ 4. 6%

Question ID : **96234010385**
Option 1 ID : **96234041540**
Option 2 ID : **96234041539**
Option 3 ID : **96234041538**
Option 4 ID : **96234041537**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.86 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 $Jkg^{-1}K^{-1}$)?

Ans
✔ 1. 2700 J
✘ 2. 27 J
✘ 3. 6000 J
✘ 4. 270 J

Question ID : **96234010364**
Option 1 ID : **96234041455**
Option 2 ID : **96234041453**
Option 3 ID : **96234041456**
Option 4 ID : **96234041454**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.87 Where is the Headquarters of UNESCO located?

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

Question ID : **96234010333**
Option 1 ID : **96234041330**
Option 2 ID : **96234041332**
Option 3 ID : **96234041331**
Option 4 ID : **96234041329**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.88 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. Sun
✘ 2. Mercury
✔ 3. Moon
✘ 4. Venus

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Question ID : **96234010338**
Option 1 ID : **96234041349**
Option 2 ID : **96234041351**
Option 3 ID : **96234041352**
Option 4 ID : **96234041350**
Status : **Answered**
Chosen Option : **3**

Q.89 $\sec 45° - \tan 60° = ?$

Ans

✗ 1. $\sqrt{3} + \sqrt{2}$

✓ 2. $-\sqrt{3} + \sqrt{2}$

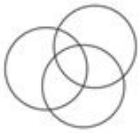
✗ 3. $\frac{\sqrt{3}}{2}$

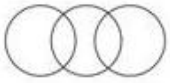
✗ 4. $-\sqrt{3} - \sqrt{2}$

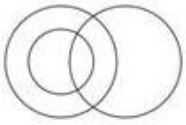
Question ID : **96234010390**
Option 1 ID : **96234041557**
Option 2 ID : **96234041558**
Option 3 ID : **96234041559**
Option 4 ID : **96234041560**
Status : **Answered**
Chosen Option : **2**

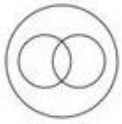
Q.90 Which of the following Venn diagrams best represents the relationship between Indians, doctors and women?

Ans

✓ 1. 

✗ 2. 

✗ 3. 

✗ 4. 

Question ID : **96234010414**
Option 1 ID : **96234041655**
Option 2 ID : **96234041653**
Option 3 ID : **96234041656**
Option 4 ID : **96234041654**
Status : **Answered**
Chosen Option : **1**

Q.91 If the width of a standard engineering drawing sheet is 841 mm, then its length would be _____ mm.

Ans

✗ 1. 1250

✓ 2. 1189

✗ 3. 1216

✗ 4. 1000

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Question ID : **96234010348**
Option 1 ID : **96234041391**
Option 2 ID : **96234041392**
Option 3 ID : **96234041390**
Option 4 ID : **96234041389**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.92 What is the curved surface area of a hemisphere whose radius is 7 cm? (take $\pi = 22/7$)

Ans

✗ 1. $154\ cm^2$
✗ 2. $616\ cm^2$
✓ 3. $308\ cm^2$
✗ 4. $924\ cm^2$

Question ID : **96234010383**
Option 1 ID : **96234041532**
Option 2 ID : **96234041529**
Option 3 ID : **96234041530**
Option 4 ID : **96234041531**
Status : **Answered**
Chosen Option : **3**

Q.93 The effort in a class 1 lever is in _____ direction(s).

Ans

✗ 1. multiple
✓ 2. one
✗ 3. three
✗ 4. two

Question ID : **96234010362**
Option 1 ID : **96234041445**
Option 2 ID : **96234041448**
Option 3 ID : **96234041447**
Option 4 ID : **96234041446**
Status : **Answered**
Chosen Option : **2**

Q.94 JPEG stands for _____.

Ans

✗ 1. Joint Program Experts Group
✗ 2. Joint Program Experimental Group
✓ 3. Joint Photographic Experts Group
✗ 4. Joint Program Executing Group

Question ID : **96234010358**
Option 1 ID : **96234041429**
Option 2 ID : **96234041431**
Option 3 ID : **96234041430**
Option 4 ID : **96234041432**
Status : **Answered**
Chosen Option : **4**

Q.95 Name the painter of the famous painting, 'Mahishasura'.

Ans

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✗ 1. Raja Ravi Verma

✓ 2. Tyeb Mehta

✗ 3. Amrita Sher-Gil

✗ 4. MF Hussain

Question ID : **96234010329**
Option 1 ID : **96234041314**
Option 2 ID : **96234041316**
Option 3 ID : **96234041313**
Option 4 ID : **96234041315**
Status : **Answered**
Chosen Option : **1**

Q.96 RK Narayan is famous for his book _____.

Ans

✗ 1. The Toom on the Roof

✓ 2. Malgudi Days

✗ 3. A Suitable Boy

✗ 4. Two Lives

Question ID : **96234010332**
Option 1 ID : **96234041325**
Option 2 ID : **96234041327**
Option 3 ID : **96234041328**
Option 4 ID : **96234041326**
Status : **Answered**
Chosen Option : **2**

Q.97 Kuchipudi has its roots in which Indian State?

Ans

✗ 1. Arunachal Pradesh

✗ 2. Himachal Pradesh

✗ 3. Kerala

✓ 4. Andhra Pradesh

Question ID : **96234010335**
Option 1 ID : **96234041337**
Option 2 ID : **96234041340**
Option 3 ID : **96234041339**
Option 4 ID : **96234041338**
Status : **Answered**
Chosen Option : **4**

Q.98 _____ protection must be worn whenever noise levels exceed the noise exposure standard.

Ans

✓ 1. Hearing

✗ 2. Eye

✗ 3. Foot

✗ 4. Head

Question ID : **96234010356**
Option 1 ID : **96234041421**
Option 2 ID : **96234041422**
Option 3 ID : **96234041423**
Option 4 ID : **96234041424**
Status : **Answered**

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Chosen Option : **1**

Q.99 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?

Ans
✔ 1. K and L
✘ 2. Only K
✘ 3. Only L
✘ 4. L and I

Question ID : **96234010419**
Option 1 ID : **96234041675**
Option 2 ID : **96234041676**
Option 3 ID : **96234041674**
Option 4 ID : **96234041673**
Status : **Answered**
Chosen Option : **2**

Q.100 The abbreviation AC in an engineering drawing stands for _____.

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

Question ID : **96234010347**
Option 1 ID : **96234041387**
Option 2 ID : **96234041386**
Option 3 ID : **96234041385**
Option 4 ID : **96234041388**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Section : **Heat Engine**

Q.1 Piston rings are generally made of-Choose the correct answer.

Ans
✘ 1. Copper
✔ 2. Cast iron
✘ 3. Brass
✘ 4. Aluminium

Question ID : **96234010447**
Option 1 ID : **96234041786**
Option 2 ID : **96234041787**
Option 3 ID : **96234041785**
Option 4 ID : **96234041788**
Status : **Answered**
Chosen Option : **2**

Q.2 The connecting rod is made up of - Choose the correct answer.

Ans
✘ 1. Mild steel
✘ 2. Cast iron
✘ 3. Aluminium

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✔ 4. Alloy steel

Question ID : **96234010448**
Option 1 ID : **96234041789**
Option 2 ID : **96234041792**
Option 3 ID : **96234041790**
Option 4 ID : **96234041791**
Status : **Answered**
Chosen Option : **4**

Q.3 In diesel engine the fuel is ignited by - Choose the correct answer.

Ans
✘ 1. An injector
✘ 2. A glow plug
✔ 3. Virtue of temperature of compressed air
✘ 4. A spark plug

Question ID : **96234010446**
Option 1 ID : **96234041783**
Option 2 ID : **96234041781**
Option 3 ID : **96234041784**
Option 4 ID : **96234041782**
Status : **Answered**
Chosen Option : **3**

Q.4 A fuse in an electrical circuit 'blows' as a result of a high - Choose the correct option

Ans
✘ 1. Voltage caused by an open circuit
✘ 2. Current flow caused by an open circuit
✔ 3. Current flow caused by a short circuit
✘ 4. Voltage caused by a short circuit

Question ID : **96234010438**
Option 1 ID : **96234041751**
Option 2 ID : **96234041752**
Option 3 ID : **96234041750**
Option 4 ID : **96234041749**
Status : **Answered**
Chosen Option : **4**

Q.5 In a diesel engine feed pump is located on - Choose the correct answer.

Ans
✘ 1. Fuel filter
✘ 2. Cylinder head
✔ 3. F.I.P
✘ 4. Fuel tank

Question ID : **96234010455**
Option 1 ID : **96234041819**
Option 2 ID : **96234041820**
Option 3 ID : **96234041817**
Option 4 ID : **96234041818**
Status : **Answered**
Chosen Option : **4**

Q.6 Why is air cleaner filled with oil?

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Ans
1. To accelerate
2. To lubricate
3. To pressurize
4. To prevent dust and dirt from atmosphere

Question ID : **96234010462**
Option 1 ID : **96234041848**
Option 2 ID : **96234041845**
Option 3 ID : **96234041847**
Option 4 ID : **96234041846**
Status : **Answered**
Chosen Option : **4**

Q.7 The electronic ignition system is triggered on and off through_____.

Ans
1. Contact breaker
2. Diode
3. Permanent magnet
4. Trigger

Question ID : **96234010499**
Option 1 ID : **96234041993**
Option 2 ID : **96234041994**
Option 3 ID : **96234041995**
Option 4 ID : **96234041996**
Status : **Answered**
Chosen Option : **1**

Q.8 The ratio between BHP and IHP is called - Choose the correct answer.

Ans
1. Thermal efficiency
2. Mechanical efficiency
3. Engine efficiency
4. Power efficiency

Question ID : **96234010445**
Option 1 ID : **96234041777**
Option 2 ID : **96234041779**
Option 3 ID : **96234041778**
Option 4 ID : **96234041780**
Status : **Answered**
Chosen Option : **2**

Q.9 To increase output voltage, battery cells are connected in - Choose the correct answer.

Ans
1. inclined
2. Series-parallel
3. Parallel
4. Series

Question ID : **96234010436**
Option 1 ID : **96234041744**
Option 2 ID : **96234041743**
Option 3 ID : **96234041742**
Option 4 ID : **96234041741**
Status : **Answered**

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Chosen Option : **4**

Q.10 Micrometer can measure upto _____

Ans

✗ 1. 0.1 mm
✗ 2. Microns size
✓ 3. Least count
✗ 4. 0.005 mm

Question ID : **96234010490**
Option 1 ID : **96234041957**
Option 2 ID : **96234041959**
Option 3 ID : **96234041960**
Option 4 ID : **96234041958**
Status : **Answered**
Chosen Option : **3**

Q.11 The purpose of the injector provided on a diesel engine is to inject -Choose the correct answer.

Ans

✗ 1. Lubricant in the cylinder
✗ 2. Lubricant in the bearings
✓ 3. Fuel in the cylinders
✗ 4. Coolant in the cylinder jacket

Question ID : **96234010457**
Option 1 ID : **96234041825**
Option 2 ID : **96234041826**
Option 3 ID : **96234041827**
Option 4 ID : **96234041828**
Status : **Answered**
Chosen Option : **3**

Q.12 The coolant used for reaming aluminum work piece is - Choose the correct option

Ans

✗ 1. Water
✓ 2. Kerosene
✗ 3. Air pressure
✗ 4. Lard oil

Question ID : **96234010439**
Option 1 ID : **96234041754**
Option 2 ID : **96234041753**
Option 3 ID : **96234041755**
Option 4 ID : **96234041756**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.13 Wire gauge is a measurement of a wire's - Choose the correct answer.

Ans

✗ 1. brittleness
✗ 2. Tensile strength
✓ 3. Diameter
✗ 4. Hardness

Question ID : **96234010434**
Option 1 ID : **96234041736**

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Option 2 ID : **96234041734**
Option 3 ID : **96234041735**
Option 4 ID : **96234041733**
Status : **Answered**
Chosen Option : **3**

Q.14 The rate of doing work is called - Choose the correct answer.

Ans
1. ✔ Power
2. ✘ Torque
3. ✘ Energy
4. ✘ Force

Question ID : **96234010471**
Option 1 ID : **96234041881**
Option 2 ID : **96234041883**
Option 3 ID : **96234041882**
Option 4 ID : **96234041884**
Status : **Answered**
Chosen Option : **1**

Q.15 Which of the following are not symptoms of poor clutch operation

Ans
1. ✔ increase in engine noise when pedal press
2. ✘ Vibration of engine
3. ✘ pedal gets stuck when pressed
4. ✘ Difficulty in gear shifting when pedal press

Question ID : **96234010496**
Option 1 ID : **96234041983**
Option 2 ID : **96234041981**
Option 3 ID : **96234041984**
Option 4 ID : **96234041982**
Status : **Answered**
Chosen Option : **4**

Q.16 The study of pneumatics deals with systems operated with - Choose the correct answer.

Ans
1. ✔ Air
2. ✘ Oil
3. ✘ Solid material
4. ✘ Water

Question ID : **96234010442**
Option 1 ID : **96234041765**
Option 2 ID : **96234041767**
Option 3 ID : **96234041768**
Option 4 ID : **96234041766**
Status : **Answered**
Chosen Option : **1**

Q.17 When tolerance is given on one side of the basic dimension it is called - Choose the correct answer.

Ans
1. ✔ Unilateral tolerance
2. ✘ Bilateral tolerance
3. ✘ Tolerance system

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✗ 4. Allowance system

Question ID : **96234010429**
Option 1 ID : **96234041715**
Option 2 ID : **96234041716**
Option 3 ID : **96234041713**
Option 4 ID : **96234041714**
Status : **Answered**
Chosen Option : **1**

Q.18 The grooves provided on the entire length of the body of a twist drill are called - Choose the correct answer.

Ans
✓ 1. Flutes
✗ 2. Margins
✗ 3. webs
✗ 4. Lips

Question ID : **96234010431**
Option 1 ID : **96234041722**
Option 2 ID : **96234041723**
Option 3 ID : **96234041724**
Option 4 ID : **96234041721**
Status : **Answered**
Chosen Option : **1**

Q.19 Which one of the following fuel injection systems was originally used in large stationary and marine engines and is now seldom used?

Ans
✓ 1. Air injection
✗ 2. Solid injection
✗ 3. Airless injection
✗ 4. Mechanical injection

Question ID : **96234010456**
Option 1 ID : **96234041821**
Option 2 ID : **96234041824**
Option 3 ID : **96234041822**
Option 4 ID : **96234041823**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.20 Vernier depth gauge is used for measuring

Ans
✓ 1. Step, depth of blind hole
✗ 2. Pitch circle diameter
✗ 3. Round dimension
✗ 4. Internal dimension

Question ID : **96234010493**
Option 1 ID : **96234041971**
Option 2 ID : **96234041972**
Option 3 ID : **96234041969**
Option 4 ID : **96234041970**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.21 An air chisel is used to brake or cut metal objects apart. How is it operated?

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Ans
1. Hydraulically
2. Frictionally
3. Magnetically
4. Pneumatically

Question ID : **96234010428**
Option 1 ID : **96234041710**
Option 2 ID : **96234041712**
Option 3 ID : **96234041711**
Option 4 ID : **96234041709**
Status : **Answered**
Chosen Option : **4**

Q.22 The stroke of an engine is - Choose the correct answer.

Ans
1. Length of the connecting rod
2. Inside diameter of the cylinder
3. Volume of the cylinder
4. Distance between t.d.c and b.d.c

Question ID : **96234010443**
Option 1 ID : **96234041772**
Option 2 ID : **96234041769**
Option 3 ID : **96234041771**
Option 4 ID : **96234041770**
Status : **Answered**
Chosen Option : **4**

Q.23 What is the composition of Gun metal?

Ans
1. Copper ,Zinc and nickel
2. Lead and zinc
3. Copper, Tin and zinc
4. Lead and nickel

Question ID : **96234010494**
Option 1 ID : **96234041975**
Option 2 ID : **96234041974**
Option 3 ID : **96234041973**
Option 4 ID : **96234041976**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.24 In diesel cycle combustion takes place at - Choose the correct answer.

Ans
1. Constant temperature and pressure
2. Constant pressure
3. Constant temperature
4. Constant volume

Question ID : **96234010454**
Option 1 ID : **96234041816**
Option 2 ID : **96234041813**
Option 3 ID : **96234041815**

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Option 4 ID : **96234041814**
Status : **Answered**
Chosen Option : **2**

Q.25 What is drawn in the cylinder of diesel engine during suction stroke?

Ans
✗ 1. CNG gas
✗ 2. Diesel
✗ 3. A mixture of air and fuel
✓ 4. Pure air alone

Question ID : **96234010497**
Option 1 ID : **96234041987**
Option 2 ID : **96234041988**
Option 3 ID : **96234041985**
Option 4 ID : **96234041986**
Status : **Answered**
Chosen Option : **4**

Q.26 Identify the point angle of a Centre punch from the given options.

Ans
✗ 1. 120°
✗ 2. 30°
✗ 3. 60°
✓ 4. 90°

Question ID : **96234010480**
Option 1 ID : **96234041920**
Option 2 ID : **96234041917**
Option 3 ID : **96234041918**
Option 4 ID : **96234041919**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.27 In starting of diesel engines by electric starting what is used to supply power to the starter motor?

Ans
✗ 1. Dynamo
✗ 2. Generator
✓ 3. Battery
✗ 4. Rectifier

Question ID : **96234010469**
Option 1 ID : **96234041873**
Option 2 ID : **96234041874**
Option 3 ID : **96234041876**
Option 4 ID : **96234041875**
Status : **Answered**
Chosen Option : **3**

Q.28 A cutting tool used to finish and enlarge a hole is known as-Choose the correct answer.

Ans
✗ 1. Die
✗ 2. Tap
✗ 3. Drill
✓ 4. reamer

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Question ID : **96234010433**
Option 1 ID : **96234041731**
Option 2 ID : **96234041730**
Option 3 ID : **96234041729**
Option 4 ID : **96234041732**
Status : **Answered**
Chosen Option : **4**

Q.29 The vernier caliper is used for measuring-

Ans
✔ 1. Thickness
✘ 2. Flatness
✘ 3. Shape
✘ 4. Roundness

Question ID : **96234010483**
Option 1 ID : **96234041931**
Option 2 ID : **96234041930**
Option 3 ID : **96234041932**
Option 4 ID : **96234041929**
Status : **Answered**
Chosen Option : **1**

Q.30 Higher efficiency can be achieved of an OTTO cycle by increasing the _____.

Ans
✘ 1. stroke length
✘ 2. Fuel intake
✘ 3. Cylinder size
✔ 4. compression ratio

Question ID : **96234010488**
Option 1 ID : **96234041952**
Option 2 ID : **96234041949**
Option 3 ID : **96234041950**
Option 4 ID : **96234041951**
Status : **Answered**
Chosen Option : **4**

Q.31 Indicated work per cycle is equal to - Choose the correct answer.

Ans
✔ 1. Mean effective pressure x stroke volume
✘ 2. Mean effective pressure x bore arc
✘ 3. Mean effective pressure x bore diameter
✘ 4. Mean effective pressure x stroke length

Question ID : **96234010473**
Option 1 ID : **96234041890**
Option 2 ID : **96234041892**
Option 3 ID : **96234041891**
Option 4 ID : **96234041889**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.32 A governor is a

Ans
✘ 1. Temperature sensitive device

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2. Pressure sensitive device
3. Speed sensitive device
4. Vacuum sensitive device

Question ID : **96234010459**
Option 1 ID : **96234041833**
Option 2 ID : **96234041834**
Option 3 ID : **96234041835**
Option 4 ID : **96234041836**
Status : **Answered**
Chosen Option : **3**

Q.33 The ignition condenser - Choose the correct option

Ans
1. Increases contact arcing
2. Reduces secondary spark
3. Protects plugs from load
4. Reduces arcing at contacts

Question ID : **96234010463**
Option 1 ID : **96234041852**
Option 2 ID : **96234041850**
Option 3 ID : **96234041851**
Option 4 ID : **96234041849**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.34 A mechanism used to control the speed of an engine is called -Choose the correct answer.

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

Question ID : **96234010453**
Option 1 ID : **96234041811**
Option 2 ID : **96234041809**
Option 3 ID : **96234041810**
Option 4 ID : **96234041812**
Status : **Answered**
Chosen Option : **3**

Q.35 The point angle of twist drill for general purposes is - Choose the correct answer.

Ans
1. 90^0
2. 135^0
3. 60^0
4. 118^0

Question ID : **96234010430**
Option 1 ID : **96234041719**
Option 2 ID : **96234041717**
Option 3 ID : **96234041720**
Option 4 ID : **96234041718**
Status : **Answered**

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Chosen Option : **4**

Q.36 The operation of the governor can only be effective if the system is air tight which type of governor is this ?

Ans

✗ 1. Mechanical
✗ 2. Hydraulic
✓ 3. Pneumatic
✗ 4. Servo

Question ID : **96234010460**
Option 1 ID : **96234041837**
Option 2 ID : **96234041838**
Option 3 ID : **96234041839**
Option 4 ID : **96234041840**
Status : **Answered**
Chosen Option : **3**

Q.37 Which of the following is a part of the combination set?

Ans

✗ 1. Protractor head
✗ 2. Steel rule
✗ 3. Square head
✓ 4. Socket spanners

Question ID : **96234010487**
Option 1 ID : **96234041946**
Option 2 ID : **96234041948**
Option 3 ID : **96234041947**
Option 4 ID : **96234041945**
Status : **Answered**
Chosen Option : **1**

Q.38 The angle of a drill bit is _____

Ans

✗ 1. 119°
✓ 2. 59°
✗ 3. 115°
✗ 4. 118°

Question ID : **96234010486**
Option 1 ID : **96234041944**
Option 2 ID : **96234041941**
Option 3 ID : **96234041943**
Option 4 ID : **96234041942**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.39 To measure the cylinder bore one of these instrument is used. Identify

Ans

✗ 1. Micrometer
✓ 2. Dial indicator
✗ 3. Screw gauge
✗ 4. Caliper

Question ID : **96234010492**
Option 1 ID : **96234041968**

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Option 2 ID : **96234041967**
Option 3 ID : **96234041965**
Option 4 ID : **96234041966**
Status : **Answered**
Chosen Option : **4**

Q.40 The purpose of dynamo is – Choose the correct option.

Ans
✗ 1. Convert mechanical energy into electrical energy
✗ 2. Act as reservoir of electrical energy
✗ 3. Supply electric power
✓ 4. Continually recharge the battery

Question ID : **96234010466**
Option 1 ID : **96234041862**
Option 2 ID : **96234041863**
Option 3 ID : **96234041861**
Option 4 ID : **96234041864**
Status : **Answered**
Chosen Option : **1**

Q.41 A lubricant oil is needed to run the machine_____

Ans
✗ 1. With increased friction
✗ 2. quickly
✓ 3. Without noise
✗ 4. With cleanliness

Question ID : **96234010489**
Option 1 ID : **96234041956**
Option 2 ID : **96234041954**
Option 3 ID : **96234041953**
Option 4 ID : **96234041955**
Status : **Answered**
Chosen Option : **3**

Q.42 Air lock in fuel line will cause - Choose the correct answer.

Ans
✗ 1. Injector pressure is too high
✓ 2. Late starting and erratic running
✗ 3. Engine idling high
✗ 4. Excess delivery from FI pump

Question ID : **96234010477**
Option 1 ID : **96234041907**
Option 2 ID : **96234041905**
Option 3 ID : **96234041908**
Option 4 ID : **96234041906**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.43 The purpose of thermostat is to keep the engine - Choose the correct answer.

Ans
✗ 1. Hot
✗ 2. Cool

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✗ 3. Warm

✓ 4. At desired temperature

Question ID : **96234010451**
Option 1 ID : **96234041803**
Option 2 ID : **96234041801**
Option 3 ID : **96234041802**
Option 4 ID : **96234041804**
Status : **Answered**
Chosen Option : **4**

Q.44 Clearance between mating parts is measured by - Choose the correct option

Ans

✓ 1. Feeler gauge

✗ 2. Caliper gauge

✗ 3. "Go" gauge

✗ 4. Dial gauge

Question ID : **96234010426**
Option 1 ID : **96234041703**
Option 2 ID : **96234041704**
Option 3 ID : **96234041702**
Option 4 ID : **96234041701**
Status : **Answered**
Chosen Option : **3**

Q.45 The tool, which is used for laying out diameter is

Ans

✗ 1. Tri square

✓ 2. Divider

✗ 3. Outside micrometer

✗ 4. Scriber

Question ID : **96234010495**
Option 1 ID : **96234041977**
Option 2 ID : **96234041978**
Option 3 ID : **96234041980**
Option 4 ID : **96234041979**
Status : **Answered**
Chosen Option : **3**

Q.46 A cutting tool used to cut outside threads is called - Choose the correct answer.

Ans

✗ 1. tap

✓ 2. Die

✗ 3. Drill

✗ 4. Reamer

Question ID : **96234010432**
Option 1 ID : **96234041728**
Option 2 ID : **96234041727**
Option 3 ID : **96234041725**
Option 4 ID : **96234041726**
Status : **Answered**
Chosen Option : **1**

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Q.47 A depth micrometer can be used to measure _____.

Ans
1. ✗ Roundness of the bore
2. ✗ Length of the bore
3. ✗ Thickness of the bore
4. ✓ Diameter of bore

Question ID : **96234010491**
Option 1 ID : **96234041963**
Option 2 ID : **96234041962**
Option 3 ID : **96234041964**
Option 4 ID : **96234041961**
Status : **Answered**
Chosen Option : **2**

Q.48 The drive for the diesel fuel feed pump is taken from the - Choose the correct option

Ans
1. ✗ Timing gears
2. ✗ Crankshaft
3. ✓ Fuel injection camshaft
4. ✗ Engine camshaft

Question ID : **96234010467**
Option 1 ID : **96234041867**
Option 2 ID : **96234041868**
Option 3 ID : **96234041865**
Option 4 ID : **96234041866**
Status : **Answered**
Chosen Option : **1**

Q.49 Why is free play in clutch needed

Ans
1. ✓ to prevent the clutch from heating up
2. ✗ to improve efficiency of braking
3. ✗ to facilitate lubrication by oil
4. ✗ to increase speed of engine rpm

Question ID : **96234010478**
Option 1 ID : **96234041909**
Option 2 ID : **96234041911**
Option 3 ID : **96234041910**
Option 4 ID : **96234041912**
Status : **Answered**
Chosen Option : **2**

Q.50 While using the vernier height gauge ,it must be placed on _____- Identify

Ans
1. ✗ Crank shaft
2. ✗ Cylinder head
3. ✗ Vee block
4. ✓ Surface plate

Question ID : **96234010484**
Option 1 ID : **96234041935**
Option 2 ID : **96234041936**

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Option 3 ID : **96234041934**
Option 4 ID : **96234041933**
Status : **Answered**
Chosen Option : **4**

Q.51 What is the material used for making Pistons?

Ans
✗ 1. Galvanised Copper
✗ 2. Brass
✓ 3. Aluminum Alloy
✗ 4. Steel

Question ID : **96234010498**
Option 1 ID : **96234041990**
Option 2 ID : **96234041989**
Option 3 ID : **96234041991**
Option 4 ID : **96234041992**
Status : **Answered**
Chosen Option : **3**

Q.52 Much of the heat in the exhaust gases may be recovered by the use of – Choose the correct option.

Ans
✓ 1. Heat-exchanger
✗ 2. Tail pipe
✗ 3. Muffler
✗ 4. Manifold

Question ID : **96234010464**
Option 1 ID : **96234041853**
Option 2 ID : **96234041856**
Option 3 ID : **96234041854**
Option 4 ID : **96234041855**
Status : **Answered**
Chosen Option : **1**

Q.53 What is the part of the universal surface gauge which helps to draw a parallel line along a dotted edge known as?

Ans
✓ 1. Guide pins
✗ 2. Center punch
✗ 3. Fine adjusting screw
✗ 4. Scriber

Question ID : **96234010481**
Option 1 ID : **96234041922**
Option 2 ID : **96234041921**
Option 3 ID : **96234041924**
Option 4 ID : **96234041923**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.54 What is the other name for Jenny spanners ?

Ans
✗ 1. Inside caliper
✗ 2. Outside caliper
✗ 3. Odd-leg caliper

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✔ 4. Joint spanner

Question ID : **96234010479**
Option 1 ID : **96234041915**
Option 2 ID : **96234041914**
Option 3 ID : **96234041913**
Option 4 ID : **96234041916**
Status : **Answered**
Chosen Option : **4**

Q.55 The principle of a radiator of an engine cooling system is to - Choose the correct answer.

Ans

✘ 1. Cause a heat flow by convection currents

✘ 2. Increase the air speed as it flows over the hot surface

✘ 3. Acts as a reservoir for the water

✔ 4. Spread out the hot water over a large area

Question ID : **96234010450**
Option 1 ID : **96234041798**
Option 2 ID : **96234041800**
Option 3 ID : **96234041797**
Option 4 ID : **96234041799**
Status : **Answered**
Chosen Option : **2**

Q.56 The SI unit of pressure is - Choose the correct answer.

Ans

✘ 1. Newton

✘ 2. Joule

✘ 3. Dyne

✔ 4. Pascal

Question ID : **96234010470**
Option 1 ID : **96234041878**
Option 2 ID : **96234041880**
Option 3 ID : **96234041879**
Option 4 ID : **96234041877**
Status : **Answered**
Chosen Option : **4**

Q.57 The instrument used to measure high temperature in the furnace is-Choose the correct answer.

Ans

✔ 1. pyrometer

✘ 2. Colorimeter

✘ 3. Thermometer

✘ 4. Barometer

Question ID : **96234010441**
Option 1 ID : **96234041764**
Option 2 ID : **96234041763**
Option 3 ID : **96234041761**
Option 4 ID : **96234041762**
Status : **Answered**
Chosen Option : **1**

Q.58 Air fuel mixture in a petrol engine is burnt in - Choose the correct answer.

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Ans
✔ 1. Cylinder
✘ 2. Piston
✘ 3. Intake manifold
✘ 4. Exhaust manifold

Question ID : **96234010444**
Option 1 ID : **96234041775**
Option 2 ID : **96234041776**
Option 3 ID : **96234041773**
Option 4 ID : **96234041774**
Status : **Answered**
Chosen Option : **1**

Q.59 A rivet is specified by the diameter of its-Choose the correct answer.

Ans
✘ 1. length
✘ 2. Head
✔ 3. Shank
✘ 4. Tail

Question ID : **96234010427**
Option 1 ID : **96234041708**
Option 2 ID : **96234041705**
Option 3 ID : **96234041707**
Option 4 ID : **96234041706**
Status : **Answered**
Chosen Option : **3**

Q.60 Identify the instrument used for checking flatness and squareness of a surface?

Ans
✘ 1. Go Gauge
✘ 2. Centre punch
✔ 3. Try square
✘ 4. Vernier height gauge

Question ID : **96234010482**
Option 1 ID : **96234041927**
Option 2 ID : **96234041928**
Option 3 ID : **96234041925**
Option 4 ID : **96234041926**
Status : **Answered**
Chosen Option : **3**

Q.61 Water circulation in a thermo-syphon cooling system is caused by-Choose the correct option

Ans
✘ 1. Conduction currents
✘ 2. A belt driven water impeller
✘ 3. A gear driven water pump
✔ 4. The change in density of the water

Question ID : **96234010458**
Option 1 ID : **96234041829**
Option 2 ID : **96234041830**
Option 3 ID : **96234041831**
Option 4 ID : **96234041832**

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Status : **Answered**
Chosen Option : **4**

Q.62 Identify the the material used for twist drill.

Ans
1. ✗ Alloy steel
2. ✓ H.S.S
3. ✗ Carbide steel
4. ✗ Mild steel

Question ID : **96234010485**
Option 1 ID : **96234041940**
Option 2 ID : **96234041937**
Option 3 ID : **96234041938**
Option 4 ID : **96234041939**
Status : **Answered**
Chosen Option : **2**

Q.63 Cyaniding and nitriding are two methods of - Choose the correct answer.

Ans
1. ✓ Case hardening
2. ✗ Normalising
3. ✗ Hardening
4. ✗ Tempering

Question ID : **96234010440**
Option 1 ID : **96234041758**
Option 2 ID : **96234041760**
Option 3 ID : **96234041757**
Option 4 ID : **96234041759**
Status : **Answered**
Chosen Option : **1**

Q.64 Ammeter is used to measure - Choose the correct answer.

Ans
1. ✗ Voltage
2. ✓ Current
3. ✗ resistance
4. ✗ Power

Question ID : **96234010435**
Option 1 ID : **96234041737**
Option 2 ID : **96234041738**
Option 3 ID : **96234041740**
Option 4 ID : **96234041739**
Status : **Answered**
Chosen Option : **2**

Q.65 The instrument used to measure cylinder bore diameter is - Choose the correct answer.

Ans
1. ✗ Outside micrometer
2. ✗ Vernier caliper
3. ✓ Bore dial gauge
4. ✗ Telescopic gauge

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Question ID : **96234010476**
Option 1 ID : **96234041901**
Option 2 ID : **96234041902**
Option 3 ID : **96234041904**
Option 4 ID : **96234041903**
Status : **Not Answered**
Chosen Option : **--**

Q.66 A noise produced in the cylinder of a diesel engine during combustion, usually when the fuel oil has a low ignition quality is called - Choose the correct answer.

Ans
✗ 1. Fuel explosion
✗ 2. Fuel burst
✗ 3. Fuel thrust
✓ 4. Fuel knock

Question ID : **96234010452**
Option 1 ID : **96234041806**
Option 2 ID : **96234041805**
Option 3 ID : **96234041808**
Option 4 ID : **96234041807**
Status : **Answered**
Chosen Option : **4**

Q.67 The device, which is used to measure the brake power of an engine is called - Choose the correct answer.

Ans
✗ 1. Energy meter
✗ 2. Indicator
✓ 3. Dynamo meter
✗ 4. Torque wrench

Question ID : **96234010472**
Option 1 ID : **96234041888**
Option 2 ID : **96234041885**
Option 3 ID : **96234041887**
Option 4 ID : **96234041886**
Status : **Answered**
Chosen Option : **3**

Q.68 The air filters used in high speed diesel engines are generally of the type - Choose the correct answer.

Ans
✗ 1. Heaters
✗ 2. Dry filters
✓ 3. Oil bath filters
✗ 4. Impingement filters

Question ID : **96234010461**
Option 1 ID : **96234041844**
Option 2 ID : **96234041841**
Option 3 ID : **96234041843**
Option 4 ID : **96234041842**
Status : **Answered**
Chosen Option : **4**

Q.69 A hole is drilled between the crankshaft main journal and crank pin for - Choose the correct option

Ans
✗ 1. Balancing the crank shaft

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✔ 2. Lubricating the connecting rod bearings

✘ 3. Reducing crankshaft weight

✘ 4. Reducing the crank shaft vibrations

Question ID : **96234010449**
Option 1 ID : **96234041793**
Option 2 ID : **96234041795**
Option 3 ID : **96234041796**
Option 4 ID : **96234041794**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.70 What is the principle on which brakes work?

Ans

✔ 1. Friction

✘ 2. Dragging

✘ 3. Suction

✘ 4. Vibration

Question ID : **96234010500**
Option 1 ID : **96234041997**
Option 2 ID : **96234041999**
Option 3 ID : **96234042000**
Option 4 ID : **96234041998**
Status : **Answered**
Chosen Option : **1**

Q.71 Belt slackness is due to _____ - Choose the correct answer.

Ans

✔ 1. Worn shaft

✘ 2. Worn sprocket

✘ 3. Worn chain

✘ 4. Worn gear

Question ID : **96234010475**
Option 1 ID : **96234041897**
Option 2 ID : **96234041900**
Option 3 ID : **96234041898**
Option 4 ID : **96234041899**
Status : **Answered**
Chosen Option : **1**

Q.72 Scavenging is done to maintain - Choose the correct answer.

Ans

✘ 1. Oil pressure

✔ 2. Power output

✘ 3. Fuel consumption

✘ 4. Speed

Question ID : **96234010474**
Option 1 ID : **96234041896**
Option 2 ID : **96234041894**
Option 3 ID : **96234041893**
Option 4 ID : **96234041895**
Status : **Answered**

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Chosen Option : **2**

Q.73 The function of alternator in a vehicle is to - Choose the correct answer.

Ans

✗ 1. Measure the current

✗ 2. Discharge the battery

✗ 3. Measure the voltage

✓ 4. Charge the battery

Question ID : **96234010468**
Option 1 ID : **96234041869**
Option 2 ID : **96234041871**
Option 3 ID : **96234041870**
Option 4 ID : **96234041872**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.74 The diesel engine usually emits excessive smoke during – Choose the correct option.

Ans

✓ 1. Accelerating

✗ 2. Starting

✗ 3. Decelerating

✗ 4. Idling

Question ID : **96234010465**
Option 1 ID : **96234041859**
Option 2 ID : **96234041857**
Option 3 ID : **96234041860**
Option 4 ID : **96234041858**
Status : **Answered**
Chosen Option : **1**

Q.75 A maintenance free battery - Choose the correct answer.

Ans

✗ 1. Has lead-antimony plate grid

✗ 2. Does not contain acid

✗ 3. Does not contain water

✓ 4. Has lead-calcium plate grid

Question ID : **96234010437**
Option 1 ID : **96234041745**
Option 2 ID : **96234041747**
Option 3 ID : **96234041748**
Option 4 ID : **96234041746**
Status : **Answered**
Chosen Option : **1**

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