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

Roll No:	
Participants Name:	
Test Center Name:	iON Digital Zone iDZ Kandrika
Test Date:	21/01/2019
Test Time:	4:30 PM - 7:00 PM
Subject:	Part A and Exam Trade : Fitter

- 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 Two resistors, one of 20 Ω and the other of 30 Ω , are connected in parallel. This combination is connected in series with an 8- Ω resistor and a 12-V battery. The current through the 20- Ω resistor is:

- Ans
- 1. 0.60 A
 - 2. 0.24 A
 - 3. 0.12 A
 - 4. 0.36 A

Question ID : 2134099841
Option 1 ID : 21340939364
Option 2 ID : 21340939362
Option 3 ID : 21340939361
Option 4 ID : 21340939363
Status : Answered
Chosen Option : 1

Q.2 Find the odd letter cluster out of the given alternatives.

- Ans
- 1. UWY
 - 2. OQS
 - 3. IKM
 - 4. GEC

Question ID : 2134099893
Option 1 ID : 21340939572
Option 2 ID : 21340939571
Option 3 ID : 21340939569
Option 4 ID : 21340939570
Status : Answered
Chosen Option : 4

Q.3 The potential energy of a 20-kg object at height h is 600 J. The value of h is _____. (Take $g = 10 \text{ m/s}^2$.)

- Ans
- 1. 2 m
 - 2. 1 m

4. 30 m

Question ID : 2134099815
Option 1 ID : 21340939258
Option 2 ID : 21340939257
Option 3 ID : 21340939259
Option 4 ID : 21340939260
Status : Answered
Chosen Option : 3

Q.4 The force applied to overcome a load is called _____.

- Ans 1. mechanical advantage
 2. Weight
 3. velocity ratio
 4. effort

Question ID : 2134099837
Option 1 ID : 21340939346
Option 2 ID : 21340939345
Option 3 ID : 21340939348
Option 4 ID : 21340939347
Status : Answered
Chosen Option : 4

Q.5 Let W_e and W_m be the weight of an object on the Earth and the Moon, respectively. Then, the ratio W_e/W_m is equal to

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

Question ID : 2134099816
Option 1 ID : 21340939263
Option 2 ID : 21340939264
Option 3 ID : 21340939261
Option 4 ID : 21340939262
Status : Answered
Chosen Option : 2

Q.6 _____ is defined as the total path length travelled by an object divided by the total time interval during which the motion has taken place.

- Ans 1. Uniform acceleration
 2. Instantaneous acceleration
 3. Average speed
 4. Instantaneous velocity

Question ID : 2134099844
Option 1 ID : 21340939376
Option 2 ID : 21340939374
Option 3 ID : 21340939375
Option 4 ID : 21340939373
Status : Marked For Review
Chosen Option : 3

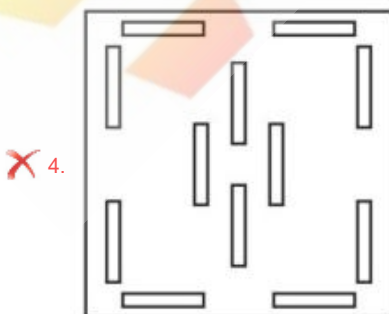
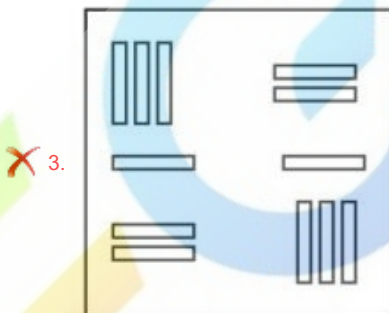
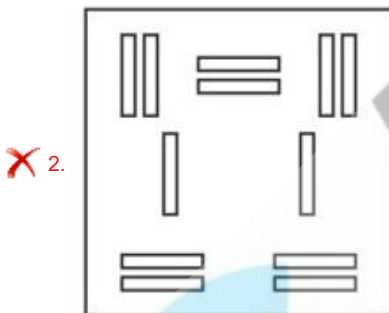
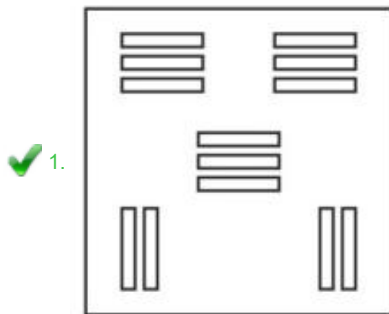
Q.7 _____ is a mode of heat transfer by actual motion of matter.

- Ans
- 1. Conduction
 - 2. Radiation
 - 3. Vaporisation
 - 4. Convection

Question ID : 2134099826
 Option 1 ID : 21340939301
 Option 2 ID : 21340939303
 Option 3 ID : 21340939304
 Option 4 ID : 21340939302
 Status : Answered
 Chosen Option : 1

Q.8 Choose the figure that is different from the rest.

Ans



Question ID : 2134099897

Option 3 ID : 21340939588
Option 4 ID : 21340939587
Status : Answered
Chosen Option : 4

Q.9 Raising the head to straighten the neck is called _____.

- Ans
- 1. wrist stretch
 - 2. pectoral stretch
 - 3. chin tuck
 - 4. finger fan

Question ID : 2134099831
Option 1 ID : 21340939321
Option 2 ID : 21340939323
Option 3 ID : 21340939324
Option 4 ID : 21340939322
Status : Answered
Chosen Option : 3

Q.1
0 The mass density or density of a material is defined as its _____.

- Ans
- 1. mass per unit volume
 - 2. mass per unit area
 - 3. mass per ampere
 - 4. mass per unit length

Question ID : 2134099818
Option 1 ID : 21340939270
Option 2 ID : 21340939269
Option 3 ID : 21340939272
Option 4 ID : 21340939271
Status : Answered
Chosen Option : 1

Q.1
1 15% of 120% of 150 is equal to:

- Ans
- 1. 30
 - 2. 27
 - 3. 33
 - 4. 24

Question ID : 2134099870
Option 1 ID : 21340939479
Option 2 ID : 21340939478
Option 3 ID : 21340939480
Option 4 ID : 21340939477
Status : Answered
Chosen Option : 2

Q.1
2

Two statements are given, followed by three conclusions, I, II and III. Consider the statements to be true even if they seem to be at variance with commonly known facts, and decide which of the given conclusions, if any, follow (s) from the given statements.

Statement 1: No boats are ships.]

Statement 2: All ship are steamers.

Conclusion I: Some boats are steamers.

Conclusion II: No ships are boats.

Conclusion III: Some steamers are ships.

- Ans 1. Only conclusions II and III follow.
2. All the conclusions, I, II and III, follow.
3. Only conclusions I and II follow.
4. Only conclusions I and III follow.

Question ID : 2134099887

Option 1 ID : 21340939546

Option 2 ID : 21340939548

Option 3 ID : 21340939545

Option 4 ID : 21340939547

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.1 In practice, the work output of a machine is _____ the work input due to the effect of friction.

3

- Ans 1. always more than
2. opposite to
3. always less than
4. always zero to

Question ID : 2134099835

Option 1 ID : 21340939337

Option 2 ID : 21340939340

Option 3 ID : 21340939339

Option 4 ID : 21340939338

Status : Answered

Chosen Option : 3

Q.1 A perfect square number can never have the digit _____ at the unit's place.

4

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

Question ID : 2134099872

Option 1 ID : 21340939488

Option 2 ID : 21340939485

Option 3 ID : 21340939486

Option 4 ID : 21340939487

Status : Answered

Chosen Option : 4

Q.1 Chile is a part of which continent?

5

- Ans 1. North America
2. Asia

3. Europe

4. South America

Question ID : 2134099803

Option 1 ID : 21340939209

Option 2 ID : 21340939212

Option 3 ID : 21340939210

Option 4 ID : 21340939211

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.1
6 A train travels 45 m in 3 s. What is the speed of the train in km/h?

Ans 1. 48

2. 50.5

3. 51

4. 54

Question ID : 2134099859

Option 1 ID : 21340939433

Option 2 ID : 21340939434

Option 3 ID : 21340939435

Option 4 ID : 21340939436

Status : Answered

Chosen Option : 4

Q.1
7 In which year was the Eiffel Tower built, to celebrate the 100-year anniversary of the French Revolution?

Ans 1. 1886

2. 1913

3. 1900

4. 1889

Question ID : 2134099805

Option 1 ID : 21340939219

Option 2 ID : 21340939220

Option 3 ID : 21340939218

Option 4 ID : 21340939217

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.1
8 In a code language, if MYTHIC is written as OAVJKE, then how will FOG be written as in the same language?

Ans 1. KIH

2. FDC

3. PNM

4. HQI

Question ID : 2134099881

Option 1 ID : 21340939522

Option 2 ID : 21340939523

Option 3 ID : 21340939521

Option 4 ID : 21340939524

Status : Answered

Chosen Option : 4

Q.1
9 If C \$ D means C is the husband of D, C & D means C is the mother of D and C % D means C is the son of D, then

what does X % Z \$ W & Y mean if W has only one son?

- Ans
- 1. X is the son of Y
 - 2. X is the brother of Y
 - 3. Y is the brother of X
 - 4. Y is the son of X

Question ID : 2134099884
Option 1 ID : 21340939535
Option 2 ID : 21340939534
Option 3 ID : 21340939533
Option 4 ID : 21340939536
Status : Answered
Chosen Option : 2

Q.2 A video or photo experiencing a sudden spike in popularity in a short period of time is termed as _____.

- Ans
- 1. viral
 - 2. spam
 - 3. virus
 - 4. Wi-Fi

Question ID : 2134099832
Option 1 ID : 21340939325
Option 2 ID : 21340939328
Option 3 ID : 21340939326
Option 4 ID : 21340939327
Status : Answered
Chosen Option : 1

Q.2 Who was the captain of the India Men's National Field Hockey Team during the 2018 Men's Hockey World Cup held in Bhubaneswar?

- Ans
- 1. Shiva Thapa
 - 2. Manoj Kumar
 - 3. Devendro Singh
 - 4. Manpreet Singh

Question ID : 2134099801
Option 1 ID : 21340939204
Option 2 ID : 21340939202
Option 3 ID : 21340939203
Option 4 ID : 21340939201
Status : Not Answered
Chosen Option : --

Q.2 _____ is defined as the time rate at which work is done or energy is transferred.

- Ans
- 1. distance
 - 2. force
 - 3. displacement
 - 4. Power

Question ID : 2134099814
Option 1 ID : 21340939255
Option 2 ID : 21340939254
Option 3 ID : 21340939256
Option 4 ID : 21340939253

Q.2 Given below is a statement followed by two conclusions numbered I and II. Assume everything in the statement to be true, and then decide which of the given conclusions logically follow (s), beyond a reasonable doubt, from the information given in the statement.

Statement: The colour of blood is red due to the presence of red blood cells.

Conclusion I: If red blood cells are removed, blood will lose its red colour.

Conclusion II: Red blood cells will be red as long as they remain in the blood.

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

Question ID : 2134099891
 Option 1 ID : 21340939563
 Option 2 ID : 21340939561
 Option 3 ID : 21340939564
 Option 4 ID : 21340939562
 Status : Answered
 Chosen Option : 3

Q.2 _____ states that the electric current flowing through a metallic wire is directly proportional to the potential difference 'V' across its ends provided its temperature remains the same.

- Ans** 1. Ampere's law
 2. Ohm's law
 3. Coulomb's law
 4. Joule's law

Question ID : 2134099846
 Option 1 ID : 21340939381
 Option 2 ID : 21340939384
 Option 3 ID : 21340939382
 Option 4 ID : 21340939383
 Status : Marked For Review
 Chosen Option : 3

Q.2 Tap A can fill an empty swimming pool in 10 h. Tap B can fill it in 15 h. How much time will the two taps take to fill the empty pool together?

- Ans** 1. 7 h
 2. 6 h
 3. 5 h
 4. 8 h

Question ID : 2134099867
 Option 1 ID : 21340939468
 Option 2 ID : 21340939467
 Option 3 ID : 21340939465
 Option 4 ID : 21340939466
 Status : Marked For Review
 Chosen Option : 3

Q.2 If $a + b = 7$ and $ab = 12$, then $a^2 + b^2$ is equal to:

- Ans
- 1. 25.5
 - 2. 24.5
 - 3. 25
 - 4. 24

Question ID : 2134099862
Option 1 ID : 21340939448
Option 2 ID : 21340939446
Option 3 ID : 21340939447
Option 4 ID : 21340939445
Status : Answered
Chosen Option : 3

Q.2
7 What is the area of a square whose diagonal measures 4 cm?

- Ans
- 1. 6 cm^2
 - 2. 4 cm^2
 - 3. 8 cm^2
 - 4. 10 cm^2

Question ID : 2134099857
Option 1 ID : 21340939426
Option 2 ID : 21340939425
Option 3 ID : 21340939427
Option 4 ID : 21340939428
Status : Answered
Chosen Option : 3

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

9.3, 10.1, 10.9, 11.7, ?, 13.3

- Ans
- 1. 12.2
 - 2. 12.7
 - 3. 12.5
 - 4. 12.9

Question ID : 2134099879
Option 1 ID : 21340939513
Option 2 ID : 21340939514
Option 3 ID : 21340939515
Option 4 ID : 21340939516
Status : Answered
Chosen Option : 3

Q.2
9 A block of wood floats on water, with 65% of its volume under water. Its density (in kg/m^3) is approximately:

- Ans
- 1. 0.35×10^2
 - 2. 0.65×10^3
 - 3. 0.55×10^3
 - 4. 0.25×10^2

Question ID : 2134099817

Option 4 ID : 21340939265
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.3
0 The density of fresh water is _____ the density of salt water.

- Ans
- 1. more than
 - 2. equal to
 - 3. negligible compared with
 - 4. less than

Question ID : 2134099820
Option 1 ID : 21340939278
Option 2 ID : 21340939279
Option 3 ID : 21340939280
Option 4 ID : 21340939277
Status : Answered
Chosen Option : 4

Q.3
1 Nadia Murad and Denis Mukwege won the Nobel Prize in 2018 for which discipline?

- Ans
- 1. Chemistry
 - 2. Economic Sciences
 - 3. Peace
 - 4. Physics

Question ID : 2134099806
Option 1 ID : 21340939222
Option 2 ID : 21340939221
Option 3 ID : 21340939224
Option 4 ID : 21340939223
Status : Answered
Chosen Option : 3

Q.3
2 A sum of ₹1,250 amounts to ₹1,550 in 4 years. What is the simple interest rate?

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

Question ID : 2134099860
Option 1 ID : 21340939438
Option 2 ID : 21340939440
Option 3 ID : 21340939437
Option 4 ID : 21340939439
Status : Marked For Review
Chosen Option : 2

Q.3
3 Find the odd word out of the given alternatives.

- Ans
- 1. Flower
 - 2. Shrub
 - 3. Tree
 - 4. Herb

Question ID : 2134099894
Option 1 ID : 21340939575
Option 2 ID : 21340939576
Option 3 ID : 21340939573
Option 4 ID : 21340939574
Status : Answered
Chosen Option : 1

Q.3
4 Which of the following is NOT a power of the President of India?

- Ans
- 1. Declaring a national emergency
 - 2. Appointment of the Chief Justice
 - 3. Appointment of Governors of states
 - 4. Appointment of the Chief Minister of Union Territories

Question ID : 2134099807
Option 1 ID : 21340939226
Option 2 ID : 21340939227
Option 3 ID : 21340939225
Option 4 ID : 21340939228
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.3
5 The area under the velocity-time curve between times t_1 and t_2 is equal to the _____ of the object during that interval of time.

- Ans
- 1. force
 - 2. average velocity
 - 3. acceleration
 - 4. magnitude of displacement

Question ID : 2134099845
Option 1 ID : 21340939379
Option 2 ID : 21340939378
Option 3 ID : 21340939377
Option 4 ID : 21340939380
Status : Answered
Chosen Option : 3

Q.3
6 A small angled surface formed between two surfaces is called a _____.

- Ans
- 1. chuck
 - 2. chamfer
 - 3. collar
 - 4. contour

Question ID : 2134099821
Option 1 ID : 21340939281
Option 2 ID : 21340939283
Option 3 ID : 21340939282
Option 4 ID : 21340939284
Status : Answered
Chosen Option : 4

Q.3
7 Where was the BRICS Summit held in 2018?

- Ans
- 1. China

✓ 2. South Africa

✗ 3. Brazil

✗ 4. India

Question ID : 2134099808

Option 1 ID : 21340939232

Option 2 ID : 21340939230

Option 3 ID : 21340939229

Option 4 ID : 21340939231

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.3 A cylindrical wire of length L and radius r has a resistance R . The resistance of another wire of the same material but
8 half its length and half its radius will be:

Ans ✗ 1. R

✗ 2. $R/2$

✓ 3. $2R$

✗ 4. $4R$

Question ID : 2134099842

Option 1 ID : 21340939366

Option 2 ID : 21340939365

Option 3 ID : 21340939367

Option 4 ID : 21340939368

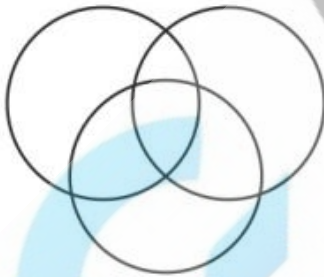
Status : Answered

Chosen Option : 3

Q.3 Which of the following Venn diagrams best represents the relationship between squares, quadrilaterals and geometrical
9 figures?

Ans

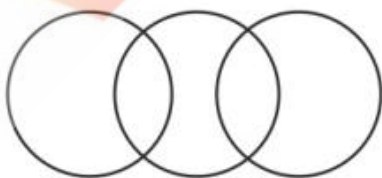
✗ 1.



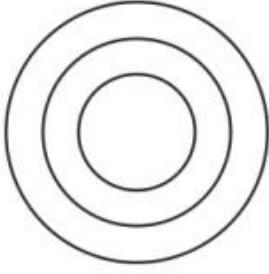
✗ 2.



✗ 3.



✓ 4.



Question ID : 2134099889

Option 1 ID : 21340939554

Option 2 ID : 21340939555

Option 3 ID : 21340939556

Option 4 ID : 21340939553

Status : Answered

Chosen Option : 4

Q.4 ₹ 150 of Amit's pocket money was spent on a pair of shoes and ₹ 75 on a watch. The total amount spent was three-fourth of his total pocket money. What was the amount received by Amit as pocket money?

- Ans
- ✗ 1. ₹ 250
 - ✗ 2. ₹ 375
 - ✗ 3. ₹ 400
 - ✓ 4. ₹ 300

Question ID : 2134099855

Option 1 ID : 21340939417

Option 2 ID : 21340939420

Option 3 ID : 21340939419

Option 4 ID : 21340939418

Status : Answered

Chosen Option : 4

Q.4 The Fahrenheit and Celsius scales converge at _____.

- Ans
- ✓ 1. -40°
 - ✗ 2. -20°
 - ✗ 3. -30°
 - ✗ 4. -50°

Question ID : 2134099811

Option 1 ID : 21340939243

Option 2 ID : 21340939241

Option 3 ID : 21340939242

Option 4 ID : 21340939244

Status : Answered

Chosen Option : 2

Q.4 If G + H means G is the son H, G - H means G is the husband of H and G * H means G is the sister of H, which of the following shows that J is the mother-in-law of N?

- Ans
- ✗ 1. $N + M - K * J$
 - ✗ 2. $N * M - K + J$
 - ✗ 3. $N + M * K - J$
 - ✓ 4. $N - M * K + J$

Question ID : 2134099885

Option 3 ID : 21340939540
Option 4 ID : 21340939537
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.4 3 _____ is the unit of thermal conductivity.

- Ans
- 1. $J \cdot s \cdot K$
 - 2. $J \cdot s^{-1} \cdot K$
 - 3. $J^{-1} \cdot s^{-1} \cdot kg^{-1}$
 - 4. $J \cdot s^{-1} \cdot m^{-1} \cdot K^{-1}$

Question ID : 2134099828
Option 1 ID : 21340939310
Option 2 ID : 21340939309
Option 3 ID : 21340939312
Option 4 ID : 21340939311
Status : Marked For Review
Chosen Option : 4

Q.4 4 Two runners, A and B, cover the same distance at the speeds of 15 km/h and 16 km/h, respectively. If A takes 16 min more than B, then the distance (in km) is:

- Ans
- 1. 48
 - 2. 64
 - 3. 54
 - 4. 70

Question ID : 2134099873
Option 1 ID : 21340939489
Option 2 ID : 21340939491
Option 3 ID : 21340939490
Option 4 ID : 21340939492
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.4 5 A 100-g block of lead is heated from 20°C to 50°C. Calculate the amount of heat transferred to the block (specific heat of lead = $127 J \cdot kg^{-1} \cdot K^{-1}$).

- Ans
- 1. 321 J
 - 2. 230 J
 - 3. 127 J
 - 4. 381 J

Question ID : 2134099839
Option 1 ID : 21340939355
Option 2 ID : 21340939354
Option 3 ID : 21340939353
Option 4 ID : 21340939356
Status : Answered
Chosen Option : 4

Q.4 6 The HCF of two numbers is 9 and their LCM is 252. The sum of numbers is:

- Ans
- 1. 79
 - 2. 78
 - 3. 108
 - 4. 90

Question ID : 2134099856

Option 1 ID : 21340939422

Option 2 ID : 21340939421

Option 3 ID : 21340939423

Option 4 ID : 21340939424

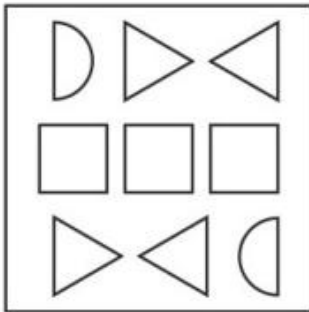
Status : Not Attempted and Marked For Review

Chosen Option : --

Q.4
7 Choose the figure that is different from the rest.

Ans

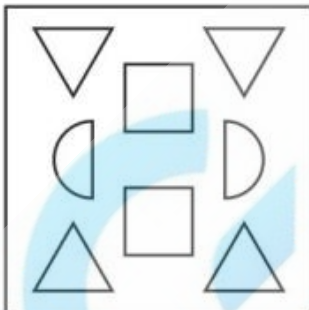
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 2134099898

Option 1 ID : 21340939590

Option 2 ID : 21340939592

Option 3 ID : 21340939589

Option 4 ID : 21340939591

Status : Answered

Chosen Option : 1

In third-angle projection, _____.

8

Ans 1. the object lies in the second quadrant

2.

the plane of projection lies between the object and the observer

3.

the object lies between the observer and the plane of projection

4. the object lies in the first quadrant

Question ID : 2134099823

Option 1 ID : 21340939292

Option 2 ID : 21340939291

Option 3 ID : 21340939290

Option 4 ID : 21340939289

Status : Answered

Chosen Option : 2

Q.4 A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

DE, GH, JK, MN, ?

Ans 1. RP

2. QR

3. PQ

4. OP

Question ID : 2134099878

Option 1 ID : 21340939511

Option 2 ID : 21340939510

Option 3 ID : 21340939512

Option 4 ID : 21340939509

Status : Answered

Chosen Option : 3

Q.5 If $(4x + 5) : (3x + 11) = 13 : 17$, then $(5x + 4) : (4x - 1) = ?$

Ans 1. 5 : 2

2. 3 : 2

3. 2 : 1

4. 4 : 3

Question ID : 2134099869

Option 1 ID : 21340939476

Option 2 ID : 21340939473

Option 3 ID : 21340939474

Option 4 ID : 21340939475

Status : Answered

Chosen Option : 3

Q.5 Two taps can fill an empty cistern in 8 min and 20 min, respectively. However, together, they take 30 min to fill it because of a leak. How much time will the leak take to empty a full cistern?

Ans 1. 120/17 min

2. 140/17 min

3. 120/19 min

4. 140/19 min

Question ID : 2134099868
Option 1 ID : 21340939469
Option 2 ID : 21340939472
Option 3 ID : 21340939470
Option 4 ID : 21340939471

Status : Not Attempted and Marked For Review
Chosen Option : --

Q.5 A ball is thrown vertically upward with a speed of 30 m/s. The magnitude of its displacement after 4 s will be _____
2 (Take $g = 10 \text{ m/s}^2$)

- Ans 1. 50 m
 2. 30 m
 3. 15 m
 4. 40 m

Question ID : 2134099843
Option 1 ID : 21340939372
Option 2 ID : 21340939370
Option 3 ID : 21340939369
Option 4 ID : 21340939371

Status : Answered
Chosen Option : 4

Q.5 D is the midpoint of line segment AB. The co-ordinates of A and D are (2, 4) and (-1, 3), respectively. The co-ordinates of B are:
3

- Ans 1. (4, -5)
 2. (3, 1)
 3. (-4, 2)
 4. (-5, 4)

Question ID : 2134099864
Option 1 ID : 21340939456
Option 2 ID : 21340939453
Option 3 ID : 21340939455
Option 4 ID : 21340939454

Status : Answered
Chosen Option : 3

Q.5 Find the mean of the mode and the median of the given data.
4

15, 3, 8, 7, 6, 5, 5, 7, 18, 7

- Ans 1. 6
 2. 5
 3. 7
 4. 8

Question ID : 2134099871
Option 1 ID : 21340939482
Option 2 ID : 21340939481
Option 3 ID : 21340939483
Option 4 ID : 21340939484

Status : Not Attempted and Marked For Review
Chosen Option : --

Q.5 Two resistors, each of 20Ω , are connected in parallel, and this combination is connected across a 40-V supply. Find the
5 voltage across each resistor.

- 1. 30 V
- 2. 20 V
- 3. 10 V
- 4. 40 V

Question ID : 2134099849
Option 1 ID : 21340939394
Option 2 ID : 21340939393
Option 3 ID : 21340939396
Option 4 ID : 21340939395
Status : Answered
Chosen Option : 4

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

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



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

Question ID : 2134099895
Option 1 ID : 21340939578
Option 2 ID : 21340939577
Option 3 ID : 21340939579
Option 4 ID : 21340939580
Status : Answered
Chosen Option : 3

Q.5
7 Unsolicited electronic messages sent for marketing purposes are called _____.

- Ans
- 1. URL
 - 2. spam
 - 3. virus
 - 4. unzip

Question ID : 2134099833
Option 1 ID : 21340939331
Option 2 ID : 21340939329
Option 3 ID : 21340939332

Option 4 ID : 21340939330
Status : Answered
Chosen Option : 2

Q.5
8 When 1 kg of water is cooled from 4°C to 0°C , its volume _____.

- Ans
- 1. first decreases and then increases
 - 2. decreases
 - 3. increases
 - 4. remains the same

Question ID : 2134099819
Option 1 ID : 21340939276
Option 2 ID : 21340939275
Option 3 ID : 21340939274
Option 4 ID : 21340939273
Status : Answered
Chosen Option : 2

Q.5
9 _____ is the heat per unit mass required to change a substance from solid into liquid at the same temperature and pressure.

- Ans
- 1. Sublimation
 - 2. Regelation
 - 3. Vaporisation
 - 4. Latent heat of fusion

Question ID : 2134099830
Option 1 ID : 21340939318
Option 2 ID : 21340939317
Option 3 ID : 21340939319
Option 4 ID : 21340939320
Status : Answered
Chosen Option : 1

Q.6
0 Which country is the largest producer of the cocoa crop, the main ingredient used to make chocolate?

- Ans
- 1. Ghana
 - 2. Brazil
 - 3. Switzerland
 - 4. Ivory Coast

Question ID : 2134099802
Option 1 ID : 21340939206
Option 2 ID : 21340939207
Option 3 ID : 21340939208
Option 4 ID : 21340939205
Status : Not Answered
Chosen Option : --

Q.6
1 Identify the conductor having the lowest resistivity.

- Ans
- 1. Iron
 - 2. Aluminium
 - 3. Silver
 - 4. Copper

Question ID : 2134099847
Option 1 ID : 21340939388
Option 2 ID : 21340939386
Option 3 ID : 21340939385
Option 4 ID : 21340939387
Status : Answered
Chosen Option : 3

Q.6
2 The unit's digit of $(1373)^{36} - (1442)^{20}$ is:

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

Question ID : 2134099852
Option 1 ID : 21340939406
Option 2 ID : 21340939408
Option 3 ID : 21340939405
Option 4 ID : 21340939407
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.6
3 A brick wall having a thickness of 24 cm has an inner surface temperature of 25°C and an outer surface temperature of 5°C. The rate of heat loss through per square metre of the wall (thermal conductivity = 0.15 J / (s·m·K)) is:

- Ans
- 1. 20.0 J/s
 - 2. 23.0 J/s
 - 3. 18.2 J/s
 - 4. 12.5 J/s

Question ID : 2134099840
Option 1 ID : 21340939359
Option 2 ID : 21340939360
Option 3 ID : 21340939358
Option 4 ID : 21340939357
Status : Not Answered
Chosen Option : --

Q.6
4 Under whose rule was the Charminar monument built in Hyderabad?

- Ans
- 1. Qutb-ud-din Aibak
 - 2. Muhammad Quli Qutb Shah
 - 3. Akbar
 - 4. Jahangir

Question ID : 2134099804
Option 1 ID : 21340939213
Option 2 ID : 21340939214
Option 3 ID : 21340939215
Option 4 ID : 21340939216
Status : Answered
Chosen Option : 2

Q.6
5 Which of the following is the approximate ratio of length to breadth of any standard Engineering drawing sheet?

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

✓ 2. $2 : \sqrt{2}$

✗ 3. $1 : \sqrt{2}$

✗ 4. $3 : \sqrt{3}$

Question ID : 2134099825

Option 1 ID : 21340939299

Option 2 ID : 21340939298

Option 3 ID : 21340939297

Option 4 ID : 21340939300

Status : Answered

Chosen Option : 3

Q.6 In a code language, 349 means 'painting is art', 749 means 'drawing is art' and 573 means 'painting and drawing'. Find the code for 'and'.

Ans ✗ 1. 7

✗ 2. 3

✗ 3. 9

✓ 4. 5

Question ID : 2134099880

Option 1 ID : 21340939518

Option 2 ID : 21340939517

Option 3 ID : 21340939519

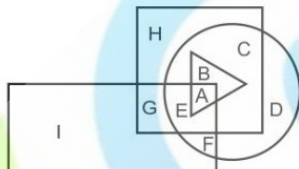
Option 4 ID : 21340939520

Status : Answered

Chosen Option : 2

Q.6 In the following figure, the square represents dieticians, the triangle represents botanists, the circle represents psychologists and the rectangle represents Indians. Which set of letters represents the psychologists who are also botanists?

In the following figure, square represents Dieticians, triangle represents Botanists, circle represents Psychologists and rectangle represents Indians. Which set of letters represents Psychologists who are Botanists?



Ans ✗ 1. AGE

✗ 2. AEF

✓ 3. AB

✗ 4. ABEC

Question ID : 2134099888

Option 1 ID : 21340939550

Option 2 ID : 21340939552

Option 3 ID : 21340939551

Option 4 ID : 21340939549

Status : Answered

Chosen Option : 3

Q.6 Conduction and convection modes of heat transfer CANNOT operate between bodies separated by _____.

8

Ans ✗ 1. aluminium

✗ 2. ice

✓ 3. vacuum

✗ 4. water

Question ID : 2134099827

Option 1 ID : 21340939307

Option 2 ID : 21340939306

Option 3 ID : 21340939308

Option 4 ID : 21340939305

Status : Answered

Chosen Option : 3

Q.6 How many degrees does the minute hand of a clock cover in the same time in which the second hand covers 3240° ?

9

Ans ✗ 1. 48

✗ 2. 45

✗ 3. 51

✓ 4. 54

Question ID : 2134099866

Option 1 ID : 21340939462

Option 2 ID : 21340939461

Option 3 ID : 21340939463

Option 4 ID : 21340939464

Status : Not Answered

Chosen Option : --

Q.7 Two fielders, I and J, start from the same point on a ground. I runs 20 m north and then turns towards the east and runs 35 m. He then turns to his right and runs 15 m. Meanwhile, J runs 30 m north and then turns right and runs 35 m. Where is J now with respect to I?

0

Ans ✓ 1. 25 m towards the north

✗ 2. 25 m towards the south

✗ 3. 35 m towards the north

✗ 4. 35 m towards the south

Question ID : 2134099900

Option 1 ID : 21340939599

Option 2 ID : 21340939597

Option 3 ID : 21340939598

Option 4 ID : 21340939600

Status : Answered

Chosen Option : 1

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

1

400: 20:: 100: ?

Ans ✓ 1. 10

✗ 2. 5

✗ 3. 1

✗ 4. 50

Question ID : 2134099877

Option 1 ID : 21340939506

Option 2 ID : 21340939507

Option 3 ID : 21340939508

Option 4 ID : 21340939505

Status : Answered

Chosen Option : 1

Q.7 Two 100- Ω resistors are connected in parallel, and this combination is connected across a 40-V supply. Find the current supplied by the voltage source.

- Ans
- 1. 0.8 A
 - 2. 1.75 A
 - 3. 1.1 A
 - 4. 1.5 A

Question ID : 2134099850
Option 1 ID : 21340939398
Option 2 ID : 21340939400
Option 3 ID : 21340939397
Option 4 ID : 21340939399
Status : Answered
Chosen Option : 1

Q.7 An object starts from rest at $x = 0$ m and $t = 0$ s. It moves with a constant acceleration of 2 m/s^2 along the x-axis. What is its average velocity between time 1 s and 5 s?

- Ans
- 1. 8 m/s
 - 2. 4 m/s
 - 3. 6 m/s
 - 4. 2 m/s

Question ID : 2134099838
Option 1 ID : 21340939352
Option 2 ID : 21340939350
Option 3 ID : 21340939351
Option 4 ID : 21340939349
Status : Answered
Chosen Option : 3

Q.7 The areas of two similar triangles ΔXYZ and ΔLMN are 49 cm^2 and 9 cm^2 , respectively. If $LM = 9$ cm, then the length of XY is:

- Ans
- 1. 14 cm
 - 2. 7 cm
 - 3. 49 cm
 - 4. 21 cm

Question ID : 2134099865
Option 1 ID : 21340939460
Option 2 ID : 21340939458
Option 3 ID : 21340939459
Option 4 ID : 21340939457
Status : Not Answered
Chosen Option : --

Q.7 A/an _____ angle is the angle between two planes.

- Ans
- 1. polar
 - 2. offset
 - 3. spline
 - 4. dihedral

Question ID : 2134099822
Option 1 ID : 21340939287
Option 2 ID : 21340939285
Option 3 ID : 21340939288

Option 4 ID : 21340939286
Status : Not Answered
Chosen Option : --

Q.7
6 The sum of all internal angles of a quadrilateral is:

- Ans
- 1. 360°
 - 2. 540°
 - 3. 720°
 - 4. 180°

Question ID : 2134099824
Option 1 ID : 21340939296
Option 2 ID : 21340939295
Option 3 ID : 21340939293
Option 4 ID : 21340939294
Status : Answered
Chosen Option : 1

Q.7
7 Heat supplied to a system is measured in _____.

- Ans
- 1. kilowatts
 - 2. joules
 - 3. amperes
 - 4. degrees kelvin

Question ID : 2134099829
Option 1 ID : 21340939315
Option 2 ID : 21340939316
Option 3 ID : 21340939314
Option 4 ID : 21340939313
Status : Answered
Chosen Option : 2

Q.7
8 Identify the conductor having the highest resistivity.

- Ans
- 1. Copper
 - 2. Silver
 - 3. Aluminium
 - 4. Mercury

Question ID : 2134099848
Option 1 ID : 21340939389
Option 2 ID : 21340939390
Option 3 ID : 21340939391
Option 4 ID : 21340939392
Status : Answered
Chosen Option : 3

Q.7
9 A television set was purchased for ₹ 650, and another ₹ 50 were spent on its transportation. At what price should it be sold so that the profit earned would be 20%?

- Ans
- 1. ₹ 780
 - 2. ₹ 870
 - 3. ₹ 810
 - 4. ₹ 840

Question ID : 2134099853

Option 1 ID : 21340939409

Option 2 ID : 21340939412

Option 3 ID : 21340939410

Option 4 ID : 21340939411

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 The average age of a family of 5 members is 20 years, with the youngest member being 5 years old. What was the average age (in years) of the family just before the birth of the youngest member?

- Ans
- 1. 19
 - 2. 18.25
 - 3. 18.75
 - 4. 18.5

Question ID : 2134099875

Option 1 ID : 21340939500

Option 2 ID : 21340939497

Option 3 ID : 21340939499

Option 4 ID : 21340939498

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 Calculate the length of the diagonal of a square if the area of the square is 32 cm^2 .

- Ans
- 1. 8 cm
 - 2. 12 cm
 - 3. 4 cm
 - 4. 16 cm

Question ID : 2134099858

Option 1 ID : 21340939430

Option 2 ID : 21340939431

Option 3 ID : 21340939429

Option 4 ID : 21340939432

Status : Answered

Chosen Option : 1

Q.8 In this question, a statement is given, followed by some conclusions given as options. Choose the conclusion that logically follows from the given statement.

Statement: The fear of punishment reduces instances of cheating during exams.

- Ans
- 1. Instances of cheating increase if exam is difficult.
 - 2. Punishment is a factor that controls incidences of cheating during exams.
 - 3. Invigilators are to be blamed if students are caught cheating during exams.
 - 4. Education has become rote learning, and hence, students cheat.

Question ID : 2134099892

Option 1 ID : 21340939565

Option 2 ID : 21340939566

Option 3 ID : 21340939567

Option 4 ID : 21340939568

Status : Not Answered

Chosen Option : --

Q.8 A and B can complete a task in 30 days, whereas A, B and C can complete the same task in 21 days. In how many days can C alone complete the task?

- Ans**
- 1. 72.5
 - 2. 67.5
 - 3. 70
 - 4. 65

Question ID : 2134099874
Option 1 ID : 21340939495
Option 2 ID : 21340939496
Option 3 ID : 21340939494
Option 4 ID : 21340939493
Status : Answered
Chosen Option : 3

Q.8 An object of mass 1 kg is moving with a velocity 10 m/s. Find the kinetic energy of the object.

- Ans**
- 1. 10 J
 - 2. 50 J
 - 3. 100 J
 - 4. 5 J

Question ID : 2134099813
Option 1 ID : 21340939251
Option 2 ID : 21340939249
Option 3 ID : 21340939250
Option 4 ID : 21340939252
Status : Answered
Chosen Option : 2

Q.8 Which of the following is NOT a traditional dance of Rajasthan?

- Ans**
- 1. Gair
 - 2. Kathputli
 - 3. Ghoomar
 - 4. Dumhal

Question ID : 2134099810
Option 1 ID : 21340939240
Option 2 ID : 21340939238
Option 3 ID : 21340939237
Option 4 ID : 21340939239
Status : Not Answered
Chosen Option : --

Q.8 Read the given question carefully and decide which of the following statements is/are sufficient to answer the question.

6
Question: What was the share of the picnic cost to be borne by each student?

Statements:

I) The total cost of the picnic was ₹12,500, and the number of students who went for the picnic was 15.

II) If 3 fewer students would have gone, then the cost of the picnic per student would have increased by ₹120.

- Ans**
- 1. II alone is sufficient while I alone is not sufficient.
 - 2. Neither I nor II is sufficient.
 - 3. Either I or II is sufficient.

✓ 4. I alone is sufficient while II alone is not sufficient.

Question ID : 2134099890
Option 1 ID : 21340939558
Option 2 ID : 21340939560
Option 3 ID : 21340939559
Option 4 ID : 21340939557
Status : Not Answered
Chosen Option : --

Q.8
7 An article was sold for ₹ 576 when its cost price was ₹ 600. What is the percentage loss?

- Ans
- ✗ 1. 3%
 - ✓ 2. 4%
 - ✗ 3. 4.50%
 - ✗ 4. 3.50%

Question ID : 2134099854
Option 1 ID : 21340939413
Option 2 ID : 21340939415
Option 3 ID : 21340939416
Option 4 ID : 21340939414
Status : Answered
Chosen Option : 2

Q.8
8 What will be the simple interest on ₹1,450 invested for 5 years at a rate of 5% pa?

- Ans
- ✗ 1. ₹ 365.5
 - ✗ 2. ₹ 360
 - ✗ 3. ₹ 365
 - ✓ 4. ₹ 362.5

Question ID : 2134099861
Option 1 ID : 21340939444
Option 2 ID : 21340939443
Option 3 ID : 21340939441
Option 4 ID : 21340939442
Status : Not Answered
Chosen Option : --

Q.8
9 Read the given information carefully and answer the question that follows.

Q, R, S and T are sitting around a round table. Q is sitting next to R. S is sitting to the left of T. Q is not sitting next to T.

Which of the following statements is INCORRECT?

- Ans
- ✗ 1. Q is facing T.
 - ✗ 2. S is to the right of Q.
 - ✗ 3. S is facing R.
 - ✓ 4. Q is to the left of R.

Question ID : 2134099896
Option 1 ID : 21340939582
Option 2 ID : 21340939584
Option 3 ID : 21340939581
Option 4 ID : 21340939583
Status : Not Answered
Chosen Option : --

Q.9 Who is the Admiral of the Indian Navy as of December 2018?

- Ans
- 1. Sunil Lanba
 - 2. Birender Singh Dhanoa
 - 3. Arup Raha
 - 4. Robin K Dhowan

Question ID : 2134099809
Option 1 ID : 21340939235
Option 2 ID : 21340939236
Option 3 ID : 21340939233
Option 4 ID : 21340939234
Status : Not Answered
Chosen Option : --

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

$$6 \div 8 \times 2 - 4$$

- Ans
- 1. 18
 - 2. 12
 - 3. 6
 - 4. 24

Question ID : 2134099882
Option 1 ID : 21340939526
Option 2 ID : 21340939525
Option 3 ID : 21340939528
Option 4 ID : 21340939527
Status : Not Answered
Chosen Option : --

Q.9 The smallest number that can be added to 56789 to make it divisible by 345 is x. What is the sum of the digits of x?

- 2
- Ans
- 1. 9
 - 2. 10
 - 3. 11
 - 4. 13

Question ID : 2134099851
Option 1 ID : 21340939401
Option 2 ID : 21340939402
Option 3 ID : 21340939403
Option 4 ID : 21340939404
Status : Not Answered
Chosen Option : --

Q.9 Two statements are given, followed by two conclusions, I and II. Consider the statements to be true even if they seem to be at variance with commonly known facts, and decide which of the given conclusions, if any, follow (s) from the given statements.

Statement 1: All bees are hornets.
Statement 2: Some bees are wasps.

Conclusion I: Some hornets are wasps.
Conclusion II: Some wasps are bees.

- Ans
- 1. Only conclusion II follows.
 - 2. Both conclusions I and II follow.

3. Only conclusion I follows.
 4. Neither conclusion I nor II follows.

Question ID : 2134099886
Option 1 ID : 21340939542
Option 2 ID : 21340939543
Option 3 ID : 21340939541
Option 4 ID : 21340939544
Status : Not Answered
Chosen Option : --

Q.9
4 One mile is approximately equivalent to _____ kilometres.

- Ans 1. 1.4
 2. 0.8
 3. 1.2
 4. 1.6

Question ID : 2134099812
Option 1 ID : 21340939247
Option 2 ID : 21340939245
Option 3 ID : 21340939246
Option 4 ID : 21340939248
Status : Not Answered
Chosen Option : --

Q.9
5 The difference between the roots of the equation $x^2 - 6x - 16 = 0$ is:

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

Question ID : 2134099863
Option 1 ID : 21340939449
Option 2 ID : 21340939450
Option 3 ID : 21340939452
Option 4 ID : 21340939451
Status : Not Answered
Chosen Option : --

Q.9
6 Select the option that is related to the third term in the same way as the second term is related to the first term.

Nose: Smell:: Ears : ?

- Ans 1. Ear-ring
 2. Deaf
 3. Sound
 4. Two

Question ID : 2134099876
Option 1 ID : 21340939504
Option 2 ID : 21340939503
Option 3 ID : 21340939502
Option 4 ID : 21340939501
Status : Not Answered
Chosen Option : --

Q.9
7 The efficiency of a machine can never be _____.

- Ans
- 1. 100%
 - 2. 75%
 - 3. 50%
 - 4. 10%

Question ID : 2134099834
Option 1 ID : 21340939336
Option 2 ID : 21340939335
Option 3 ID : 21340939334
Option 4 ID : 21340939333
Status : Not Answered
Chosen Option : --

Q.9
8 A taxi travels 7 km south, then turns towards the east and travels 5 km, then turns towards the north and travels 7 km and then turns to its left and travels 2 km. What is the location of the taxi now with respect to its starting position?

- Ans
- 1. 3 km towards the east
 - 2. 7 km towards the east
 - 3. 3 km towards the west
 - 4. 7 km towards the west

Question ID : 2134099899
Option 1 ID : 21340939593
Option 2 ID : 21340939595
Option 3 ID : 21340939596
Option 4 ID : 21340939594
Status : Not Answered
Chosen Option : --

Q.9
9 Which two signs should be interchanged to correct the given equation?

$$3 \times 6 + 2 - 4 \div 8 = 13$$

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

Question ID : 2134099883
Option 1 ID : 21340939530
Option 2 ID : 21340939531
Option 3 ID : 21340939529
Option 4 ID : 21340939532
Status : Not Answered
Chosen Option : --

Q.1
00 An effort of 5 units is applied on a 10-unit load. The distance travelled by the effort and the load are 50 and 20 units, respectively. Find the efficiency of this machine.

- Ans
- 1. 70%
 - 2. 60%
 - 3. 50%
 - 4. 80%

Question ID : 2134099836

Option 2 ID : 21340939342
Option 3 ID : 21340939341
Option 4 ID : 21340939344
Status : Not Answered
Chosen Option : --

Section : Fitter

Q.1 Pick the odd one out.

- Ans
- 1. Rolling
 - 2. Extrusion
 - 3. Knurling
 - 4. Forging

Question ID : 2134099966
Option 1 ID : 21340939863
Option 2 ID : 21340939864
Option 3 ID : 21340939862
Option 4 ID : 21340939861
Status : Answered
Chosen Option : 3

Q.2 Which of the following is NOT a type of maintenance of machines?

- Ans
- 1. Timely maintenance
 - 2. Scheduled maintenance
 - 3. Preventive maintenance
 - 4. Corrective maintenance

Question ID : 2134099947
Option 1 ID : 21340939787
Option 2 ID : 21340939786
Option 3 ID : 21340939785
Option 4 ID : 21340939788
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.3 When tolerance is given on one side of the basic dimension, it is called:

- Ans
- 1. Bilateral tolerance
 - 2. Unilateral tolerance
 - 3. Allowance system
 - 4. Tolerance system

Question ID : 2134099917
Option 1 ID : 21340939667
Option 2 ID : 21340939665
Option 3 ID : 21340939668
Option 4 ID : 21340939666
Status : Answered
Chosen Option : 2

Q.4 Which of the following is NOT a type of common threaded fastener?

- Ans
- 1. Screw

- 2. Bolt
- 3. Nut
- 4. Nail

Question ID : 2134099923
Option 1 ID : 21340939690
Option 2 ID : 21340939691
Option 3 ID : 21340939689
Option 4 ID : 21340939692
Status : Answered
Chosen Option : 4

Q.5 Which of the following gauge is used to align the lathe tool with the work?

- Ans
- 1. Straight edge
 - 2. Centre gauge
 - 3. Try square
 - 4. Thread gauge

Question ID : 2134099931
Option 1 ID : 21340939723
Option 2 ID : 21340939721
Option 3 ID : 21340939722
Option 4 ID : 21340939724
Status : Answered
Chosen Option : 2

Q.6 What is the cross section of a flat file?

- Ans
- 1. Rectangular
 - 2. Square
 - 3. Circular
 - 4. Triangular

Question ID : 2134099901
Option 1 ID : 21340939602
Option 2 ID : 21340939601
Option 3 ID : 21340939603
Option 4 ID : 21340939604
Status : Answered
Chosen Option : 1

Q.7 A plate tears near the holes when _____

- Ans
- 1. the rivets and plates are of different metals
 - 2. the holes are near to each other
 - 3. diameter of rivet is too small
 - 4. the hole is away from the edge

Question ID : 2134099907
Option 1 ID : 21340939625
Option 2 ID : 21340939626
Option 3 ID : 21340939628
Option 4 ID : 21340939627
Status : Not Answered
Chosen Option : --

Q.8 Which of the following is used for checking the error of vernier height gauge?

- Ans
- 1. Feeler gauge
 - 2. Angle gauge
 - 3. Vernier depth gauge
 - 4. Slip gauge

Question ID : 2134099913
Option 1 ID : 21340939651
Option 2 ID : 21340939649
Option 3 ID : 21340939652
Option 4 ID : 21340939650
Status : Marked For Review
Chosen Option : 4

Q.9 Forging is done when the metal is in _____ condition.

- Ans
- 1. liquid
 - 2. elastic
 - 3. normal
 - 4. plastic

Question ID : 2134099908
Option 1 ID : 21340939631
Option 2 ID : 21340939629
Option 3 ID : 21340939632
Option 4 ID : 21340939630
Status : Answered
Chosen Option : 2

Q.10 Hammering is one of the _____ operations. Choose the right answer.

- Ans
- 1. Blowing
 - 2. casting
 - 3. Forging
 - 4. Metal removing

Question ID : 2134099964
Option 1 ID : 21340939855
Option 2 ID : 21340939854
Option 3 ID : 21340939853
Option 4 ID : 21340939856
Status : Answered
Chosen Option : 3

Q.11 Working pressure of a hydraulic cylinder depends on _____.

- Ans
- 1. bore diameter of cylinder
 - 2. thickness of head
 - 3. diameter of Gland
 - 4. Length of the piston rod

Question ID : 2134099949

Option 2 ID : 21340939793
Option 3 ID : 21340939794
Option 4 ID : 21340939795
Status : Answered
Chosen Option : 1

Q.1
2 The measured size of the dimension of a component is called:

- Ans
- 1. Normal size
 - 2. Actual size
 - 3. Basic size
 - 4. Allowed size

Question ID : 2134099916
Option 1 ID : 21340939661
Option 2 ID : 21340939662
Option 3 ID : 21340939663
Option 4 ID : 21340939664
Status : Answered
Chosen Option : 2

Q.1
3 Which of the following is a standard line measurement tool?

- Ans
- 1. End bar
 - 2. Slip gauge
 - 3. Measuring tape
 - 4. Micrometer

Question ID : 2134099953
Option 1 ID : 21340939810
Option 2 ID : 21340939811
Option 3 ID : 21340939812
Option 4 ID : 21340939809
Status : Answered
Chosen Option : 3

Q.1
4 Overlapping of signals in pneumatic systems can be avoided by using a/an _____.

- Ans
- 1. rolling lever valve
 - 2. idle roller
 - 3. lever valve
 - 4. roller

Question ID : 2134099950
Option 1 ID : 21340939798
Option 2 ID : 21340939797
Option 3 ID : 21340939799
Option 4 ID : 21340939800
Status : Not Answered
Chosen Option : --

Q.1
5 Which of the following is a single point cutting tool used along with a hammer?

- Ans
- 1. Chisel
 - 2. File
 - 3. Tap

4. Scrapper

Question ID : 2134099954
Option 1 ID : 21340939813
Option 2 ID : 21340939814
Option 3 ID : 21340939816
Option 4 ID : 21340939815
Status : Answered
Chosen Option : 1

Q.1
6 The head shape of a thumb screw is:

- Ans 1. circular
 2. hexagonal
 3. triangular
 4. square

Question ID : 2134099927
Option 1 ID : 21340939708
Option 2 ID : 21340939707
Option 3 ID : 21340939705
Option 4 ID : 21340939706
Status : Answered
Chosen Option : 1

Q.1
7 Which component is made with cast iron?

- Ans 1. Lathe chuck
 2. Drill machine spindle
 3. Anvil
 4. Lathe bed

Question ID : 2134099933
Option 1 ID : 21340939731
Option 2 ID : 21340939732
Option 3 ID : 21340939730
Option 4 ID : 21340939729
Status : Answered
Chosen Option : 4

Q.1
8 Which machine is used to make accurate holes?

- Ans 1. Gang drill
 2. Bench drill
 3. Hand drill
 4. Pillar drill

Question ID : 2134099902
Option 1 ID : 21340939607
Option 2 ID : 21340939605
Option 3 ID : 21340939608
Option 4 ID : 21340939606
Status : Marked For Review
Chosen Option : 1

Q.1
9 _____ is considered one among the oldest methods to achieve required shapes of metals.

- Ans
- 1. Welding
 - 2. Lapping
 - 3. Annealing
 - 4. Forging

Question ID : 2134099904
Option 1 ID : 21340939615
Option 2 ID : 21340939614
Option 3 ID : 21340939616
Option 4 ID : 21340939613
Status : Answered
Chosen Option : 4

Q.2
0 Which bolt is commonly used in bearing for shafts?

- Ans
- 1. Eye-bolt
 - 2. Hook bolt
 - 3. Square-headed bolt
 - 4. T-headed bolt

Question ID : 2134099962
Option 1 ID : 21340939847
Option 2 ID : 21340939845
Option 3 ID : 21340939848
Option 4 ID : 21340939846
Status : Not Answered
Chosen Option : --

Q.2
1 Hot shortness is a phenomenon of:

- Ans
- 1. hardening of nonferrous metals
 - 2. annealing of nonferrous metals
 - 3. annealing of ferrous metals
 - 4. hardening of ferrous metals

Question ID : 2134099965
Option 1 ID : 21340939857
Option 2 ID : 21340939859
Option 3 ID : 21340939860
Option 4 ID : 21340939858
Status : Not Answered
Chosen Option : --

Q.2
2 Which hand tool is used to form internal thread in a hole?

- Ans
- 1. Drill
 - 2. Scraper
 - 3. Reamer
 - 4. Tap

Question ID : 2134099924
Option 1 ID : 21340939694
Option 2 ID : 21340939695
Option 3 ID : 21340939696

Option 4 ID : 21340939693
Status : Answered
Chosen Option : 4

Q.2
3 Which rivet head is made by hand hammering?

- Ans
- 1. Conical head rivet
 - 2. Cup head rivet
 - 3. Countersunk head rivet
 - 4. Pan head rivet

Question ID : 2134099912
Option 1 ID : 21340939648
Option 2 ID : 21340939647
Option 3 ID : 21340939645
Option 4 ID : 21340939646
Status : Answered
Chosen Option : 2

Q.2
4 Removing pieces from the edge in shearing operation is known as _____

- Ans
- 1. Coining
 - 2. Notching
 - 3. grooving
 - 4. Lancing

Question ID : 2134099971
Option 1 ID : 21340939881
Option 2 ID : 21340939882
Option 3 ID : 21340939883
Option 4 ID : 21340939884
Status : Not Answered
Chosen Option : --

Q.2
5 V belt having which shape of cross section

- Ans
- 1. Rectangular
 - 2. Square
 - 3. Circular
 - 4. Trapezoidal

Question ID : 2134099961
Option 1 ID : 21340939841
Option 2 ID : 21340939842
Option 3 ID : 21340939843
Option 4 ID : 21340939844
Status : Answered
Chosen Option : 4

Q.2
6 How can aluminium be identified in a group of work pieces made of aluminium, brass, copper & mild steel?

- Ans
- 1. High ductility
 - 2. Observing silvery appearance
 - 3. Light weight

4. Observing cutting chips

Question ID : 2134099914
Option 1 ID : 21340939653
Option 2 ID : 21340939655
Option 3 ID : 21340939654
Option 4 ID : 21340939656
Status : Answered
Chosen Option : 2

Q.2
7 What will be the effect if the angle of swash plate decreases?

- Ans
- 1. Flow rate will not be effected
 - 2. Flow rate will increase
 - 3. Flow rate will decrease
 - 4. Flow rate will be maintained

Question ID : 2134099948
Option 1 ID : 21340939792
Option 2 ID : 21340939789
Option 3 ID : 21340939790
Option 4 ID : 21340939791
Status : Not Answered
Chosen Option : --

Q.2
8 Which structure of the following is hardest structure of steel?

- Ans
- 1. Austenite
 - 2. Bainite
 - 3. Martensite
 - 4. Ludeburite

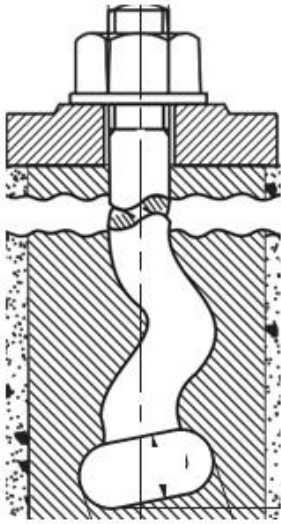
Question ID : 2134099926
Option 1 ID : 21340939701
Option 2 ID : 21340939704
Option 3 ID : 21340939702
Option 4 ID : 21340939703
Status : Not Answered
Chosen Option : --

Q.2
9 Gas Metal Arc Welding refers to:

- Ans
- 1. Electron Beam Welding
 - 2. TIG Welding
 - 3. Plasma Arc Welding
 - 4. MIG Welding

Question ID : 2134099967
Option 1 ID : 21340939868
Option 2 ID : 21340939865
Option 3 ID : 21340939867
Option 4 ID : 21340939866
Status : Answered
Chosen Option : 3

Q.3
0



Identify the type of bolt shown in the given image.

- Ans
- 1. Eye foundation bolt
 - 2. Bent foundation bolt
 - 3. Lewis foundation bolt
 - 4. Rag foundation bolt

Question ID : 2134099946

Option 1 ID : 21340939783

Option 2 ID : 21340939784

Option 3 ID : 21340939782

Option 4 ID : 21340939781

Status : Not Answered

Chosen Option : --

Q.3
1 Belts of which material are suitable for use in hot climate?

- Ans
- 1. Cotton or fabric
 - 2. Rubber
 - 3. Leather
 - 4. Balata

Question ID : 2134099939

Option 1 ID : 21340939753

Option 2 ID : 21340939754

Option 3 ID : 21340939755

Option 4 ID : 21340939756

Status : Not Answered

Chosen Option : --

Q.3
2 Which of the following is used to hold and guide a tool in mass production?

- Ans
- 1. Jig
 - 2. Fixture
 - 3. Gauge
 - 4. Housing

Question ID : 2134099929

Option 4 ID : 21340939715
Status : Not Answered
Chosen Option : --

Q.3
3 Which device is the driven member of a clutch?

- Ans
- 1. Driver gear
 - 2. Pressure plate
 - 3. Driven gear
 - 4. Fly wheel

Question ID : 2134099936
Option 1 ID : 21340939743
Option 2 ID : 21340939741
Option 3 ID : 21340939744
Option 4 ID : 21340939742
Status : Answered
Chosen Option : 3

Q.3
4 What type of coolant is used for machining the cast iron?

- Ans
- 1. Lubricating oil is used as coolant
 - 2. Soluble oils
 - 3. No coolant is required
 - 4. Synthetic fluids

Question ID : 2134099973
Option 1 ID : 21340939892
Option 2 ID : 21340939889
Option 3 ID : 21340939891
Option 4 ID : 21340939890
Status : Answered
Chosen Option : 3

Q.3
5 Why is maintenance of a machine necessary?

- Ans
- 1. Doing so reduces the production rate
 - 2. Doing so increases the servicing cost
 - 3. Doing so increases efficiency and service life of the machine
 - 4. Doing so helps in replacement of the machine

Question ID : 2134099922
Option 1 ID : 21340939686
Option 2 ID : 21340939687
Option 3 ID : 21340939685
Option 4 ID : 21340939688
Status : Answered
Chosen Option : 3

Q.3
6 In which of the following types of gear are the teeth cut parallel to the shaft axis?

- Ans
- 1. Bevel gear
 - 2. Spur gear

3. Rack and pinion gear

4. Helical gear

Question ID : 2134099937

Option 1 ID : 21340939748

Option 2 ID : 21340939747

Option 3 ID : 21340939745

Option 4 ID : 21340939746

Status : Answered

Chosen Option : 2

Q.3
7 What is the purpose of an idler gear used in gear trains?

Ans 1.

To obtain minimum centre distance between driving and driven shaft

2. To have required direction of rotation

3. To increase the contact area of pulley and belt

4.

To obtain maximum centre distance between driving and driven shaft

Question ID : 2134099956

Option 1 ID : 21340939822

Option 2 ID : 21340939823

Option 3 ID : 21340939824

Option 4 ID : 21340939821

Status : Answered

Chosen Option : 2

Q.3
8 Casual maintenance of a machine is called:

Ans 1. Preventive maintenance

2. Unscheduled maintenance

3. Routine maintenance

4. Periodic maintenance

Question ID : 2134099974

Option 1 ID : 21340939893

Option 2 ID : 21340939894

Option 3 ID : 21340939896

Option 4 ID : 21340939895

Status : Answered

Chosen Option : 3

Q.3
9 Which bolt is used to create a pivot point?

Ans 1. Hanger bolt

2. J bolt

3. U bolt

4. Shoulder bolt

Question ID : 2134099942

Option 1 ID : 21340939768

Option 2 ID : 21340939765

Option 3 ID : 21340939767

Option 4 ID : 21340939766

Status : Not Answered

Chosen Option : --

Q.4
0 Which of the following tools makes a circular cavity on metal?

- Ans
- 1. File
 - 2. Scrapper
 - 3. Tap
 - 4. Drill

Question ID : 2134099955
Option 1 ID : 21340939820
Option 2 ID : 21340939819
Option 3 ID : 21340939817
Option 4 ID : 21340939818
Status : Answered
Chosen Option : 4

Q.4
1 Tooth ends are made thinner in _____.

- Ans
- 1. Hunting of tooth gear
 - 2. Root of tooth gear
 - 3. Crowing of tooth gear
 - 4. Backlash of tooth gear

Question ID : 2134099958
Option 1 ID : 21340939831
Option 2 ID : 21340939832
Option 3 ID : 21340939829
Option 4 ID : 21340939830
Status : Not Answered
Chosen Option : --

Q.4
2 Threading dies are held in a _____.

- Ans
- 1. Die stock
 - 2. Die case
 - 3. Die holder
 - 4. Die wrench

Question ID : 2134099952
Option 1 ID : 21340939807
Option 2 ID : 21340939805
Option 3 ID : 21340939808
Option 4 ID : 21340939806
Status : Answered
Chosen Option : 1

Q.4
3 Which of the following helps check the flatness of the surface of a job?

- Ans
- 1. Dial test indicator
 - 2. Radius gauge
 - 3. Micrometre
 - 4. Vernier caliper

Option 1 ID : 21340939683
Option 2 ID : 21340939684
Option 3 ID : 21340939682
Option 4 ID : 21340939681
Status : Answered
Chosen Option : 1

Q.4
4 By which operation does the sheet metal get cut straight in length?

- Ans
- 1. Notching
 - 2. Embossing
 - 3. Perforating
 - 4. Slitting

Question ID : 2134099906
Option 1 ID : 21340939624
Option 2 ID : 21340939621
Option 3 ID : 21340939622
Option 4 ID : 21340939623
Status : Answered
Chosen Option : 4

Q.4
5 Which one of the following types of friction occurs in an unlubricated journal bearing?

- Ans
- 1. Fluid friction
 - 2. Rolling friction
 - 3. Sliding friction
 - 4. Dry friction

Question ID : 2134099970
Option 1 ID : 21340939877
Option 2 ID : 21340939880
Option 3 ID : 21340939878
Option 4 ID : 21340939879
Status : Answered
Chosen Option : 2

Q.4
6 Upset butt welding is generally NOT used for manufacturing of _____

- Ans
- 1. Welding bar
 - 2. tubing's
 - 3. rods
 - 4. Automobile parts

Question ID : 2134099934
Option 1 ID : 21340939736
Option 2 ID : 21340939735
Option 3 ID : 21340939733
Option 4 ID : 21340939734
Status : Not Answered
Chosen Option : --

Q.4
7 Which of the following is another name for 'clamp coupling'?

- Ans
- 1. Slip type coupling

- 2. Split muff coupling
- 3. Fluid coupling
- 4. Flange coupling

Question ID : 2134099935
Option 1 ID : 21340939739
Option 2 ID : 21340939738
Option 3 ID : 21340939740
Option 4 ID : 21340939737
Status : Not Answered
Chosen Option : --

Q.4
8 Which part of the lathe carries the back gear, driving pulley etc?

- Ans
- 1. tool post
 - 2. bed
 - 3. headstock
 - 4. tailstock

Question ID : 2134099944
Option 1 ID : 21340939776
Option 2 ID : 21340939773
Option 3 ID : 21340939774
Option 4 ID : 21340939775
Status : Answered
Chosen Option : 3

Q.4
9 When soluble oil mixes with water, the colour of the coolant will _____.

- Ans
- 1. turn aqua
 - 2. remain unchanged
 - 3. turn yellow
 - 4. turn white

Question ID : 2134099951
Option 1 ID : 21340939804
Option 2 ID : 21340939802
Option 3 ID : 21340939801
Option 4 ID : 21340939803
Status : Answered
Chosen Option : 4

Q.5
0 Which one of the following is a multi-point cutting tool?

- Ans
- 1. Hammer
 - 2. Chisel
 - 3. Scraper
 - 4. File

Question ID : 2134099920
Option 1 ID : 21340939680
Option 2 ID : 21340939677
Option 3 ID : 21340939679
Option 4 ID : 21340939678
Status : Answered
Chosen Option : 4

Q.5₁ Which type of force is applied through a die in forging operation?

- Ans
- 1. Expressive force
 - 2. Shear force
 - 3. Compressive force
 - 4. Tensile force

Question ID : 2134099925
Option 1 ID : 21340939697
Option 2 ID : 21340939700
Option 3 ID : 21340939699
Option 4 ID : 21340939698
Status : Answered
Chosen Option : 4

Q.5₂ The difference between 1 M.S.D and 1 V.S D in a Vernier caliper is:

- Ans
- 1. 0.02 mm
 - 2. 1.00 mm
 - 3. 0.2 mm
 - 4. 0.03 mm

Question ID : 2134099903
Option 1 ID : 21340939610
Option 2 ID : 21340939612
Option 3 ID : 21340939611
Option 4 ID : 21340939609
Status : Answered
Chosen Option : 2

Q.5₃ Which of the following files is used to remove maximum material faster?

- Ans
- 1. Smooth file
 - 2. Wood rasp file
 - 3. Safe edge file
 - 4. Bastard file

Question ID : 2134099945
Option 1 ID : 21340939780
Option 2 ID : 21340939778
Option 3 ID : 21340939777
Option 4 ID : 21340939779
Status : Answered
Chosen Option : 4

Q.5₄ Which type of fit is used when a small amount of clearance or interference is permissible?

- Ans
- 1. Transition Fit
 - 2. Interference Fit
 - 3. Clearance Fit
 - 4. Running Fit

Question ID : 2134099911

Option 3 ID : 21340939643
Option 4 ID : 21340939641
Status : Answered
Chosen Option : 1

Q.5
5 Which type of lubricant are calcium and sodium?

- Ans
- 1. Permanent
 - 2. Liquid
 - 3. Solid
 - 4. Semi-solid

Question ID : 2134099940
Option 1 ID : 21340939760
Option 2 ID : 21340939759
Option 3 ID : 21340939757
Option 4 ID : 21340939758
Status : Answered
Chosen Option : 4

Q.5
6 In which type of welding is heavy, current (50,000A) passed through the joint and welding is done under external pressure?

- Ans
- 1. Arc welding
 - 2. Spot welding
 - 3. Gas welding
 - 4. Forge welding

Question ID : 2134099909
Option 1 ID : 21340939636
Option 2 ID : 21340939635
Option 3 ID : 21340939633
Option 4 ID : 21340939634
Status : Answered
Chosen Option : 4

Q.5
7 Which tool is used to groove and flatten a seam?

- Ans
- 1. Hand groover
 - 2. Stake
 - 3. Rivet set
 - 4. Hand lever punch

Question ID : 2134099905
Option 1 ID : 21340939618
Option 2 ID : 21340939617
Option 3 ID : 21340939619
Option 4 ID : 21340939620
Status : Not Answered
Chosen Option : --

Q.5
8 Time dependent recoverable deformation under load is called _____ deformation.

- Ans
- 1. anelastic
 - 2. Elastic
 - 3. Creep

4. Plastic

Question ID : 2134099959
Option 1 ID : 21340939836
Option 2 ID : 21340939834
Option 3 ID : 21340939833
Option 4 ID : 21340939835
Status : Answered
Chosen Option : 2

Q.5 What is it called when both jaws of a Vernier caliper are in contact but the zero of the main scale does NOT match the zero of the Vernier scale?

- Ans 1. Positive error
 2. Zero error
 3. No error
 4. Negative error

Question ID : 2134099960
Option 1 ID : 21340939837
Option 2 ID : 21340939838
Option 3 ID : 21340939840
Option 4 ID : 21340939839
Status : Answered
Chosen Option : 2

Q.6 The process of enlarging the end of an existing hole to accommodate the head of a socket screw is called:

- Ans 1. Spot facing
 2. Counter sinking
 3. Boring
 4. Punching

Question ID : 2134099915
Option 1 ID : 21340939659
Option 2 ID : 21340939660
Option 3 ID : 21340939657
Option 4 ID : 21340939658
Status : Answered
Chosen Option : 2

Q.6 Which of the following type of washers is used to hold the lock nut in place?

- Ans 1. Tap washer
 2. Lock washer
 3. Plain washer
 4. Spring washer

Question ID : 2134099938
Option 1 ID : 21340939752
Option 2 ID : 21340939751
Option 3 ID : 21340939749
Option 4 ID : 21340939750
Status : Not Answered
Chosen Option : --

Q.6 Which one of the following belt materials can withstand acidic and wet conditions?

- Ans
- 1. Leather
 - 2. Balata
 - 3. Cotton
 - 4. Rubber

Question ID : 2134099972
Option 1 ID : 21340939887
Option 2 ID : 21340939888
Option 3 ID : 21340939885
Option 4 ID : 21340939886
Status : Answered
Chosen Option : 2

Q.6
3 A snap gauge is:

- Ans
- 1. cylindrical
 - 2. oval shaped
 - 3. 'C' shaped
 - 4. square shaped

Question ID : 2134099928
Option 1 ID : 21340939711
Option 2 ID : 21340939712
Option 3 ID : 21340939709
Option 4 ID : 21340939710
Status : Not Answered
Chosen Option : --

Q.6
4 Which one of the following is NOT a synthetic material of bearing?

- Ans
- 1. Plastic
 - 2. Nylon
 - 3. Brass
 - 4. Teflon

Question ID : 2134099932
Option 1 ID : 21340939725
Option 2 ID : 21340939728
Option 3 ID : 21340939726
Option 4 ID : 21340939727
Status : Answered
Chosen Option : 3

Q.6
5 A fixture is a device that:

- Ans
- 1. rotates the job
 - 2. rotates the job and guides the cutter
 - 3. holds the job
 - 4. reciprocates the job

Question ID : 2134099930

Status : **Answered**
Chosen Option : 3

Q.6
6 _____ is also known as Tool rest.

- Ans
- 1. Saddle
 - 2. Cross slide
 - 3. Compound rest
 - 4. Tool post

Question ID : 2134099918
Option 1 ID : 21340939670
Option 2 ID : 21340939671
Option 3 ID : 21340939669
Option 4 ID : 21340939672
Status : **Answered**
Chosen Option : 4

Q.6
7 Which of the following metals resist salt-water corrosion?

- Ans
- 1. Cast iron
 - 2. Gun metal
 - 3. Zinc alloy
 - 4. Mild steel

Question ID : 2134099943
Option 1 ID : 21340939769
Option 2 ID : 21340939772
Option 3 ID : 21340939770
Option 4 ID : 21340939771
Status : **Not Answered**
Chosen Option : --

Q.6
8 Large-scale repairs of machines are a part of which of the following maintenance activity?

- Ans
- 1. Accidental maintenance
 - 2. Preventive maintenance
 - 3. Routine maintenance
 - 4. Scheduled maintenance

Question ID : 2134099975
Option 1 ID : 21340939897
Option 2 ID : 21340939898
Option 3 ID : 21340939899
Option 4 ID : 21340939900
Status : **Answered**
Chosen Option : 2

Q.6
9 Which of the following nuts is used in a bench vice?

- Ans
- 1. Box nut
 - 2. Hexagonal nut
 - 3. Dome nut
 - 4. Castle nut

Option 1 ID : 21340939871
Option 2 ID : 21340939869
Option 3 ID : 21340939870
Option 4 ID : 21340939872
Status : Answered
Chosen Option : 2

Q.7
0 The flash point of lubricant should be _____.

- Ans
- 1. Above 650 ° F
 - 2. At 450 ° F
 - 3. Below 200 ° F
 - 4. Between 300 ° F - 400 ° F

Question ID : 2134099941
Option 1 ID : 21340939761
Option 2 ID : 21340939762
Option 3 ID : 21340939764
Option 4 ID : 21340939763
Status : Not Answered
Chosen Option : --

Q.7
1 A sine bar is used to measure the angle between the height of a slip gauge and the:

- Ans
- 1. width of the sine bar
 - 2. height of the sine bar
 - 3. number of the slip gauge
 - 4. length of the sine bar

Question ID : 2134099969
Option 1 ID : 21340939875
Option 2 ID : 21340939876
Option 3 ID : 21340939873
Option 4 ID : 21340939874
Status : Answered
Chosen Option : 4

Q.7
2 Two extreme permissible sizes of a part, between which actual size should lie is called _____

- Ans
- 1. Tolerance
 - 2. Limit of size
 - 3. Fit
 - 4. Nominal size

Question ID : 2134099910
Option 1 ID : 21340939637
Option 2 ID : 21340939639
Option 3 ID : 21340939638
Option 4 ID : 21340939640
Status : Answered
Chosen Option : 1

Q.7
3 Which of the following acts as driving shaft in lathe

- Ans
- 1. Cam shaft
 - 2. Spindle shaft

- 3. Lead screw
- 4. Counter shaft

Question ID : 2134099957
Option 1 ID : 21340939827
Option 2 ID : 21340939825
Option 3 ID : 21340939826
Option 4 ID : 21340939828
Status : Answered
Chosen Option : 1

Q.7
4 What will be the tap drill size for a 3/8 inch tap?

- Ans
- 1. 5/16 inch
 - 2. 4/16 inch
 - 3. 7/16 inch
 - 4. 1/16 inch

Question ID : 2134099963
Option 1 ID : 21340939849
Option 2 ID : 21340939851
Option 3 ID : 21340939850
Option 4 ID : 21340939852
Status : Answered
Chosen Option : 1

Q.7
5 Which instrument is most suitable for testing flatness or straightness of a surface?

- Ans
- 1. Micrometer
 - 2. Steel rule
 - 3. autocollimator
 - 4. Vernier caliper

Question ID : 2134099919
Option 1 ID : 21340939674
Option 2 ID : 21340939673
Option 3 ID : 21340939676
Option 4 ID : 21340939675
Status : Answered
Chosen Option : 3