



Telangana State Council Higher Education

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	TS ICET 2020 30th Sept 2020 Shift 2
Subject Name :	TS ICET 2020
Creation Date :	2020-10-01 15:18:22
Duration :	150
Number of Questions :	158
Total Marks :	200
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console? :	Yes

TS ICET 2020

Group Number :	1
Group Id :	39448417
Group Maximum Duration :	0
Group Minimum Duration :	150
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	200
Is this Group for Examiner? :	No

Analytical Ability

Section Id :	39448449
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory



Number of Questions : 45
Number of Questions to be attempted : 45
Section Marks : 75
Mark As Answered Required? : Yes
Sub-Section Number : 1
Sub-Section Id : 394484337
Question Shuffling Allowed : Yes

**Question Id : 3944843329 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group
Comprehension Questions : No
Question Numbers : (1 to 20)**

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labelled as I and II. You must decide whether the data given in the statements are sufficient to answer the questions. Using the data make an appropriate choice from (1) to (4) as per the following guidelines:

- (a) Mark choice (1) if the statement I alone is sufficient to answer the question.
- (b) Mark choice (2) if the statement II alone is sufficient to answer the question.
- (c) Mark choice (3) if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient.
- (d) Mark choice (4) if both the statements I and II together are not sufficient to answer the question and additional data is required.

సూచన: 1 నుండి 20 వరకు ఇచ్చిన ప్రతి ప్రశ్నలోను ఒక ప్రశ్న, దాని క్రింద I, II అని గుర్తులు గల రెండు ప్రవచనాలు దత్తాంశంగా ఇవ్వబడ్డాయి. ఇచ్చిన దత్తాంశాన్ని ఉపయోగించి, ఇచ్చిన ప్రవచనాలు ప్రశ్నకు సమాధానాన్ని ఇచ్చేందుకు పర్యాప్తాలు అవుతాయా లేదా అని మీరు నిర్ధారించాలి. ఈ నిర్ధారణకు క్రింది మార్గదర్శక సూత్రాలు ఉపయోగించి (1) నుండి (4) వరకు సరి అయిన జవాబును ఎంపిక చేయండి.

- (a) ప్రశ్నకు సమాధానం ఇచ్చేందుకు ప్రవచనం I మాత్రమే పర్యాప్తమయితే మీ జవాబు (1) గా గుర్తించండి.
- (b) ప్రశ్నకు సమాధానం ఇచ్చేందుకు ప్రవచనం II మాత్రమే పర్యాప్తమయితే మీ జవాబు (2) గా గుర్తించండి.
- (c) ప్రశ్నకు సమాధానం ఇచ్చేందుకు ప్రవచనాలు I, II కలిసి పర్యాప్తమయి అందులో ఏ ఒక్కటి కూడా పర్యాప్తం కాకపోతే మీ జవాబు (3) గా గుర్తించండి.
- (d) ప్రశ్నకు సమాధానం ఇచ్చేందుకు ప్రవచనాలు I, II కలిసి కూడా పర్యాప్తం కాక అదనపు దత్తాంశం అవసరమయితే మీ జవాబు (4) గా గుర్తించండి.

Sub questions

Question Number : 1 Question Id : 3944843330 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Is x a rational number?

ఒక అకరణీయ సంఖ్యయేనా ?

- (I) $x = b+c$
- (II) b and c are irrational numbers.
 b, c లు కరణీయ సంఖ్యలు.

Options :

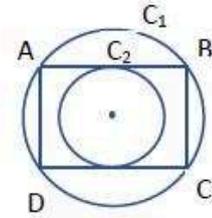
1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 2 Question Id : 3944843331 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the adjacent figure what is the area of the square $ABCD$?

ప్రక్క పటం లో చతురస్రం $ABCD$ వైశాల్యమెంత?



- (I) $AC = 16$ cm
 $AC = 16$ సెం. మీ.
- (II) The areas of the circles C_1 and C_2 are in ratio of 4 : 1
 C_1, C_2 వృత్తాల వైశాల్యాల నిష్పత్తి 4 : 1

Options :

1. ✔ 1
2. ✘ 2
3. ✘ 3
4. ✘ 4

Question Number : 3 Question Id : 3944843332 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

$f(x)$ is a polynomial with integer coefficients. Is $(x + 2)$ a factor of $f(x)$?

పూర్ణాంకాలు గుణకాలు గా గల ఒక బహుపది $f(x)$.

$f(x)$ కు $x + 2$ ఒక కారణాంకమా?

(I) $f(x) = 2x^4 + bx^3 + cx^2 + dx + e$

(II) $8b - 4c + 2d - e = 32$

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 4 Question Id : 3944843333 Question Type : MCQ Option Shuffling : No Display Question

Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Find the area of the sector?

సెక్టరు వైశాల్యమెంత?

(I) Length of the arc = 1 unit.
చాపం పొడవు = 1 యూనిట్ .

(II) Radius of sector is six times length of arc.
సెక్టరు వ్యాసార్థం చాపం పొడవు కు ఆరు రెట్లు.

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 5 Question Id : 3944843334 Question Type : MCQ Option Shuffling : No Display Question

Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A person can purchase three articles for Rs.49. What is the price of the costliest article?

49 రూపాయలతో ఒక వ్యక్తి మూడు వస్తువులను కొనగలడు. అత్యంత ఖరీదైన వస్తువు ధర ఎంత?

- (I) The cost price of two articles each is Rs.1 less than the cost price of the costliest article.
అత్యంత ఖరీదైన వస్తువు ధర కన్నా మిగతా రెండు వస్తువుల ధర ఒక్కోటి 1 రూపాయి తక్కువ.
- (II) The cost price of costliest article is 6.25% more than the cost price of the cheapest article.
అత్యంత చౌక అయినా వస్తువు ధర కన్నా, అత్యంత ఖరీదైన వస్తువు ధర 6.25% ఎక్కువ.

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 6 Question Id : 3944843335 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Is the polygon $ABCD$ a trapezium?

బహుభుజి $ABCD$ సమలంబ చతుర్భుజమా?

- (I) It has a pair of parallel sides.
దానికి ఒక జత సమాంతర భుజాలు కలవు.
- (II) Two of its sides are equal in length.
దాని రెండు భుజాలు సమాన కొలతలు కల్గి ఉన్నాయి.

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4



Question Number : 7 Question Id : 3944843336 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the median of the frequency distribution?
పౌనపున్య విభజనం యొక్క మధ్యగతం ఎంత?

- (I) Its arithmetic mean is 57.
దాని అంకమధ్యమం 57.
- (II) Its mode is 55.
దాని బాహుళకం 55.

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 8 Question Id : 3944843337 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the positive integral value of x ?
 x యొక్క ధన పూర్ణాంక విలువ ఎంత?

- (I) $39 < 7x + 3 < 46$
(II) $25 < x^2 < 49$

Options :

1. ✔ 1
2. ✘ 2
3. ✘ 3
4. ✘ 4

Question Number : 9 Question Id : 3944843338 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the LCM of two numbers a and b ?

రెండు సంఖ్యలు a, b ల క.సా.గు. ఎంత ?

- (I) The GCD of a and b is 3.
 a, b ల గ. సా. భా. 3.
- (II) a is even and b is odd.
 a సరి సంఖ్య, b బేసి సంఖ్య.

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 10 Question Id : 3944843339 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the digit in the Ten's place of the number n ?

n సంఖ్య యొక్క పదుల స్థానంలో ని అంకె ఏది?

- (I) $n > 100$
- (II) n gives remainder 69 when divided by 100.
 n ను 100 చే భాగించగా 69 శేషాన్నిస్తుంది.

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 11 Question Id : 3944843340 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

If A is a square matrix, what is $\det A$?

A ఒక చతురస్ర మాతృక అయితే, $\det A$ ఎంత?

- (I) $\det 5A = 45$
(II) $\det 10A = 360$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 12 Question Id : 3944843341 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

How old is Rakesh now?

ప్రస్తుతం రాకేష్ వయస్సెంత ?

- (I) Seven years ago, Rakesh was older than Suresh by eight years.
ఏడేళ్ల క్రితం, సురేష్ కన్న రాకేష్ ఎనిమిదేళ్లు పెద్దవాడు.
- (II) Presently Rakesh is thrice as old as Suresh.
ప్రస్తుత వయస్సు రీత్యా సురేష్ కన్న రాకేష్ మూడు రెట్లు పెద్దవాడు.

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 13 Question Id : 3944843342 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Find the cost of two benches and three chairs?

రెండు బల్లలు, మూడు కుర్చీల ఖరీదెంత?

- (I) The cost of 5 benches, 10 chairs is Rs.17500.
5 బల్లలు, 10 కుర్చీల ఖరీదు రూ. 17500.
- (II) The cost of 7 benches, 11 chairs is Rs.27500.
7 బల్లలు, 11 కుర్చీల ఖరీదు రూ. 27500.

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 14 Question Id : 3944843343 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Find the value of $\frac{x^3+y^3}{x+y}$.

$\frac{x^3+y^3}{x+y}$ విలువను కనుగొనుము.

- (I) $x = \frac{4}{y}$
- (II) $x^2 + y^2 = 12$

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 15 Question Id : 3944843344 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



Find the volume of the cone C

శంఖువు C యొక్క ఘనపరిమాణమెంత ?

- (I) Height of C > radius of C
C ఎత్తు > C వ్యాసార్థం
- (II) Volume of the cylinder, whose radius and height are same and C, is 300 cm^3 .

C యొక్క ఎత్తు, వ్యాసార్థాలనే కలిగిన ఒక స్థూపం ఘనపరిమాణం 300 సెం. మీ.^3

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 16 Question Id : 3944843345 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the number of elements in the set A?

A సమితిలోని మూలకాల సంఖ్య ఎంత?

- (I) Number of elements in $A \cup B$ is 35.
 $A \cup B$ లోని మూలకాల సంఖ్య 35.
- (II) Number of elements in $B - A$ is 7.
 $B - A$ లోని మూలకాల సంఖ్య 7.

(Here B is also a set)
(ఇక్కడ B కూడా ఒక సమితి)

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3



4. ✖ 4

Question Number : 17 Question Id : 3944843346 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the value of $\cos^4 \theta + \sec^4 \theta$?

$\cos^4 \theta + \sec^4 \theta$ విలువ ఎంత ?

- (I) $\sin^2 \theta + \cos^2 \theta = 1$
(II) $\cos \theta + \sec \theta = 2$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 18 Question Id : 3944843347 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is cost price of the article?

ఆ వస్తువు కొన్న ధర ఎంత?

- (I) It is sold for Rs.X at a loss of 20%.
20% నష్టం తో దానిని రూ. X లకు అమ్మిరి .
(II) If it is sold for Rs.(X+50) the profit would have been 10%.
దానిని రూ. (X +50) కి గనక అమ్మియుంటే 10% లాభం వచ్చియుండేది.

Options :

1. ✖ 1



2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 19 Question Id : 3944843348 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

If a set X has 22 elements and A is a subset of X, then what is the number of subsets of X that are disjoint from A?

22 మూలకాలు కలిగిన ఒక సమితి X కు A ఒక ఉపసమితి అనుకుంటే, A కు వియుక్తంగా ఉన్న X కు గల ఉపసమితుల సంఖ్య ఎంత?

(I) Set A has less than 10 elements.

సమితి A లో 10 కన్న తక్కువ మూలకాలు కలవు .

(II) The largest subset of X disjoint from A has 14 elements.

A తో వియుక్తంగా ఉన్న X కు గల అత్యంత పెద్ద ఉపసమితి లో 14 మూలకాలు కలవు.

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 20 Question Id : 3944843349 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the value of y ?

y విలువ ఎంత ?

(I) $x = 2y + z.$

(II) $x = (y - 1)^3$ and $x = 8.$

$x = (y - 1)^3$ మరియు $x = 8.$

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number :

2

Sub-Section Id :

394484338

Question Shuffling Allowed :

Yes

Question Number : 21 Question Id : 3944843350 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Problem Solving

సమస్య సాధన

Sequence and Series

అనుక్రమాలు, శ్రేణులు

CAR : 040219 :: LOT : _____

(1) 131621

(2) 131520

(3) 131620

(4) 121621

Options :



1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 22 Question Id : 3944843351 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Problem Solving

సమస్య సాధన

Sequence and Series

అనుక్రమాలు, శ్రేణులు

BMS : ZKQ :: ___ : AXY

- (1) CZA
- (2) DAB
- (3) CYD
- (4) BAD

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 23 Question Id : 3944843352 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Problem Solving

సమస్య సాధన

Sequence and Series

అనుక్రమాలు, శ్రేణులు

c, ____, h, ____, t

(1) f, n

(2) e, m

(3) d, m

(4) e, n

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 24 Question Id : 3944843353 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Problem Solving

సమస్య సాధన

Sequence and Series

అనుక్రమాలు, శ్రేణులు

Foot : Inch :: Year : _____

అడుగు : అంగుళం :: సంవత్సరం : _____

(1) Decade
దశాబ్దం

(2) Day
రోజు

(3) Week
వారం

(4) Month
నెల

Options :

1. ✘ 1



2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 25 Question Id : 3944843354 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Problem Solving
సమస్య సాధన

Sequence and Series
అనుక్రమాలు, శ్రేణులు

(6, 7) : 21 :: (8, 9) : _____

- (1) 27
- (2) 36
- (3) 45
- (4) 38

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 26 Question Id : 3944843355 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Problem Solving
సమస్య సాధన

Sequence and Series
అనుక్రమాలు, శ్రేణులు

GASKET : JISFER :: PERSON : _____

- (1) RUMNIQ
- (2) RSMOIQ
- (3) NUQTOP
- (4) RUPIIS

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 27 Question Id : 3944843356 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Problem Solving

సమస్య సాధన

Sequence and Series

అనుక్రమాలు, శ్రేణులు

PRINT : 86 :: NOVEL : _____

- (1) 78
- (2) 83
- (3) 85
- (4) 88

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4



Question Number : 28 Question Id : 3944843357 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Problem Solving

సమస్య సాధన

Sequence and Series

అనుక్రమాలు, శ్రేణులు

_____ : pon :: DCB : hgf

(1) lkj

(2) LKJ

(3) lkj

(4) LKj

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 29 Question Id : 3944843358 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Problem Solving

సమస్య సాధన

Sequence and Series

అనుక్రమాలు, శ్రేణులు



CAM : USE :: SAT : _____

- (1) KTM
- (2) JRM
- (3) KSL
- (4) LTR

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 30 Question Id : 3944843359 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Problem Solving
సమస్య సాధన

Sequence and Series
అనుక్రమాలు, శ్రేణులు

A2101U : B2002T :: C1703Q : R_____S

- (1) 1917
- (2) 1918
- (3) 1916
- (4) 1919

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Sub-Section Number :

3

Sub-Section Id :

394484339

Question Shuffling Allowed :

Yes



Question Number : 31 Question Id : 3944843360 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Note : In questions numbered 31 to 35 pick the odd thing out.

గమనిక : 31 నుండి 35 వరకు గల ప్రశ్నలలో సరిపోలనిది గుర్తించుము.

(1) $x^3 - 3x^2 + 3x - 1 = 0$

(2) $x^3 - 3x^2 + 3x + 3 = 0$

(3) $x^3 - 6x^2 + 12x - 8 = 0$

(4) $x^3 + 6x^2 + 12x + 8 = 0$

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 32 Question Id : 3944843361 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Note : In questions numbered 31 to 35 pick the odd thing out.

గమనిక : 31 నుండి 35 వరకు గల ప్రశ్నలలో సరిపోలనిది గుర్తించుము.

(1) $\frac{15}{19}$

(2) $\frac{14}{19}$

(3) $\frac{11}{19}$

(4) $\frac{9}{19}$

Options :

1. ✘ 1



2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 33 Question Id : 3944843362 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Note : In questions numbered 31 to 35 pick the odd thing out.

గమనిక : 31 నుండి 35 వరకు గల ప్రశ్నలలో సరిపోలనిది గుర్తించుము.

(1) 3223

(2) 3443

(3) 3663

(4) 3883

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 34 Question Id : 3944843363 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Note : In questions numbered 31 to 35 pick the odd thing out.

గమనిక : 31 నుండి 35 వరకు గల ప్రశ్నలలో సరిపోలనిది గుర్తించుము.

- (1) Flute
మురళి
- (2) Violin
వయాలిన్
- (3) Veena
వీణ
- (4) Mandolin
మాండలిన్

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 35 Question Id : 3944843364 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Note : In questions numbered 31 to 35 pick the odd thing out.

గమనిక : 31 నుండి 35 వరకు గల ప్రశ్నలలో సరిపోలనిది గుర్తించుము.

- (1) Fish
చేప
- (2) Frog
కప్ప
- (3) Turtle
తాబేలు
- (4) Allegator
పెద్దమొసలి

Options :

1. ✓ 1



2. ✘ 2

3. ✘ 3

4. ✘ 4

Sub-Section Number : 4
Sub-Section Id : 394484340
Question Shuffling Allowed : Yes

Question Number : 36 Question Id : 3944843365 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.

9, 28, 126, 344, _____

(1) 578

(2) 742

(3) 916

(4) 1332

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 37 Question Id : 3944843366 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.



$$\frac{8}{3}, \frac{25}{12}, \frac{9}{5}, \text{---}, \frac{32}{21}, \frac{81}{56}$$

(1) $\frac{24}{18}$

(2) $\frac{49}{30}$

(3) $\frac{23}{18}$

(4) $\frac{25}{18}$

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 38 Question Id : 3944843367 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.

$$100, 110, 1000, 1001, \text{---}$$

(1) 1010

(2) 1100

(3) 1101

(4) 1110



Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 39 Question Id : 3944843368 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.

101, 103, _____, 109, 113, 127, 131

- (1) 111
- (2) 105
- (3) 103
- (4) 107

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 40 Question Id : 3944843369 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.

225, 16, 169, 36, 121, 64, 81, _____

- (1) 88
- (2) 92
- (3) 96
- (4) 100

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 41 Question Id : 3944843370 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.

10, 30, 150, _____, 11550, 150150

- (1) 1050
- (2) 10100
- (3) 10350
- (4) 10550

Options :

1. ✔ 1
2. ✘ 2
3. ✘ 3
4. ✘ 4

Question Number : 42 Question Id : 3944843371 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.

$$1\frac{2}{3}, 1\frac{2}{5}, 1\frac{2}{11}, 1\frac{2}{17}, 1\frac{2}{29}, \text{---}$$

(1) $1\frac{2}{43}$

(2) $1\frac{2}{41}$

(3) $1\frac{2}{37}$

(4) $1\frac{2}{35}$

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 43 Question Id : 3944843372 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.



CAUCHY, _____, IKIUDY, LPPDOL

- (1) FECLSL
- (2) FFBSTU
- (3) FFBLSL
- (4) FECLSL

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 44 Question Id : 3944843373 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.

aeuoi, _____, iaeuo, euoia

- (1) uoiae,
- (2) uoiea
- (3) uioae
- (4) uoeia

Options :

1. ✔ 1
2. ✘ 2



3. ✖ 3

4. ✖ 4

Question Number : 45 Question Id : 3944843374 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

గమనిక : 36 నుండి 45 వరకు గల ప్రశ్నలు ఒక ఖచ్చితమైన నియమాన్ని పాటిస్తున్నాయి. ఆ నియమాన్ని గమనించి సరియగు సమాధానాలతో ఖాళీలను పూరించండి.

0, 6, 24, 60, _____, 210

(1) 84

(2) 96

(3) 120

(4) 180

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Sub-Section Number :

5

Sub-Section Id :

394484341

Question Shuffling Allowed :

Yes

Question Id : 3944843375 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Numbers : (46 to 48)

The following graph depicts the profits earned by a company through exports in the past six years. Based on this data, answer the questions 46,47 and 48.

గత ఆరు సంవత్సరాలలో ఎగుమతుల ద్వారా ఒక కంపెనీ ఆర్జించిన లాభాలను ఈ క్రింది రేఖాచిత్రం వర్ణిస్తుంది. ఈ దత్తాంశం ఆధారంగా 46,47,48 ప్రశ్నలకు సమాధానం ఇవ్వండి.



Sub questions

Question Number : 46 Question Id : 3944843376 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The approximate yearly average of the profits through exports (in crores of rupees) is

ఎగుమతుల ద్వారా ఏడాదికి సగటున లాభం (కోట్ల రూ. లలో)

- (1) 29
- (2) 32
- (3) 33
- (4) 34

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 47 Question Id : 3944843377 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical



Correct Marks : 1 Wrong Marks : 0

In which year (2nd year to 6th year) the increase in the profits was maximum when compared to that of previous year?

క్రిందటి సంవత్సరంతో పోలిస్తే ఏ సంవత్సరంలో (2 వ సంవత్సరం నుండి 6 వ సంవత్సరం వరకు) లాభాలు గరిష్టంగా పెరిగాయి?

- | | |
|--------------------------|-------------|
| (1) 5 th year | 5వ సంవత్సరం |
| (2) 4 th year | 4వ సంవత్సరం |
| (3) 3 rd year | 3వ సంవత్సరం |
| (4) 2 nd year | 2వ సంవత్సరం |

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 48 Question Id : 3944843378 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0



When compared to the first 3 years what is the increase percentage in the profits to the last three years?

మొదటి 3 సంవత్సరాలతో పోల్చినప్పుడు చివరి మూడు సంవత్సరాలలో లాభాల పెరుగుదల శాతం ఎంత?

(1) $89\frac{1}{6}$

(2) $90\frac{1}{3}$

(3) $91\frac{2}{3}$

(4) $92\frac{1}{6}$

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Sub-Section Number :

6

Sub-Section Id :

394484342

Question Shuffling Allowed :

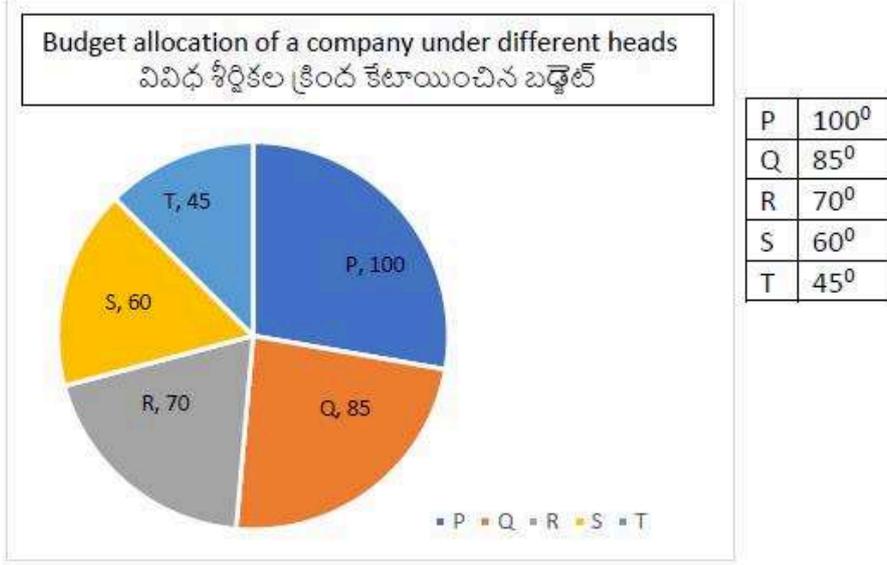
Yes

Question Id : 3944843379 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (49 to 53)

The following Pie-chart shows the budget allocation of a company under different heads P, Q, R, S, T in one financial year. Based on the information given, answer the questions from 49-53.

క్రింది పీ-చార్ట్ ఒక ఆర్థిక సంవత్సరంలో ఒక కంపెనీ వివిధ పద్దులు P, Q, R, S, T ల క్రింద బడ్జెట్ కేటాయింపులను చూపిస్తుంది. ఇచ్చిన సమాచారం ఆధారంగా ప్రశ్నలు 49-53 కు సమాధానం ఇవ్వండి.



Sub questions

Question Number : 49 Question Id : 3944843380 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The amount allocated to 'Q' is what percent of total budget?

మొత్తం బడ్జెట్ లో Q కి కేటాయించినది ఎంత శాతం?

- (1) $22\frac{7}{18}$
- (2) $23\frac{11}{18}$
- (3) $22\frac{13}{18}$
- (4) $23\frac{7}{18}$



Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 50 Question Id : 3944843381 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

If the amount allocated to the head 'S' is Rs.18 lakhs, in an year, then the amount allocated to the head 'P' in that year (in rupees of lakhs) is

ఒక సంవత్సరంలో S పట్టు క్రింద కేటాయించిన మొత్తం 18 లక్షలయితే అదే సంవత్సరం P కు కేటాయించిన మొత్తం, (లక్షల రూపాయలలో)

- (1) 20
- (2) 24
- (3) 30
- (4) 32

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 51 Question Id : 3944843382 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The amount allocated to the head 'R' is Rs.24 ½ lakhs in a year, then the total budget in that year (in crores) is

ఒక సంవత్సరంలో R పద్దు క్రింద కేటాయించిన మొత్తం 24 ½ లక్షల రూపాయలైతే ఆ సంవత్సరంలో మొత్తం బడ్జెట్ (కోట్లలో)

- (1) 1.08
- (2) 1.12
- (3) 1.20
- (4) 1.26

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Question Number : 52 Question Id : 3944843383 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

If the total budget in an year is Rs.2.7 crores, then the difference between the allocations of heads S and T (in lakhs) is

ఒక సంవత్సరంలో మొత్తం బడ్జెట్ రూ. 2.7 కోట్లు అయితే S,T పద్దుల క్రింద కేటాయించిన సొమ్ముల భేదం (లక్షల రూపాయలలో)

- (1) 12.5
- (2) 12.25
- (3) 11.5
- (4) 11.25



Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 53 Question Id : 3944843384 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The total amount allocated to heads 'P' and 'S', put together is what percent of the total amount allocated to the remaining heads?

P, S పద్దుల క్రింద కేటాయించిన మొత్తం సొమ్ము మిగతా పద్దుల కు కేటాయించిన మొత్తం సొమ్ములో ఎంత శాతము?

- (1) 75
- (2) 78
- (3) 80
- (4) 90

Options :

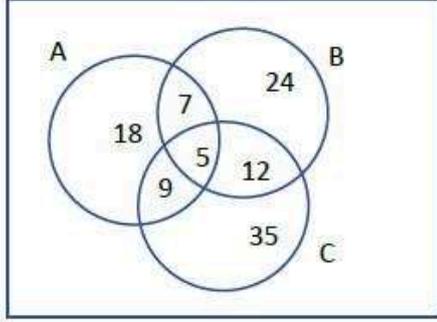
1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Sub-Section Number : 7
Sub-Section Id : 394484343
Question Shuffling Allowed : Yes

Question Id : 3944843385 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Numbers : (54 to 55)

Consider the following venn diagram representing three sets A, B, C. Based on the information given, answer the questions 54 and 55

మూడు సమితిలు A,B,C లను సూచించే వెన్ చిత్రంలో పొందుపరచిన దత్తాంశం ఆధారంగా 54 మరియు 55 ప్రశ్నలకు సమాధానాలనిమ్ము



- A- Students of a school play Football
ఫుట్ బాల్ ఆడే పాఠశాల విద్యార్థులు
- B- Students of the same school play Basket ball
అదే పాఠశాలలో బాస్కెట్ బాల్ ఆడే విద్యార్థులు
- C- Students of the same school that play Cricket.
ఆ పాఠశాలలో క్రికెట్ ఆడే విద్యార్థులు

Sub questions

Question Number : 54 Question Id : 3944843386 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The number of students who play Cricket and Football but not Basket ball is

బాస్కెట్ బాల్ కాకుండా, క్రికెట్ మరియు ఫుట్ బాల్ ఆడే విద్యార్థుల సంఖ్య

- (1) 7
- (2) 9
- (3) 5
- (4) 12



Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 55 Question Id : 3944843387 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The number of students who play either Football or Basket ball is

ఫుట్ బాల్ లేదా బాస్కెట్ బాల్ ఆడే విద్యార్థుల సంఖ్య

- (1) 63
- (2) 70
- (3) 68
- (4) 75

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Sub-Section Number : 8
Sub-Section Id : 394484344
Question Shuffling Allowed : Yes

Question Id : 3944843388 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Numbers : (56 to 60)

English alphabets (26) are arranged along a circle. Then each vowel is coded to its next second vowel in clockwise direction while each consonant is coded to its next consonant in clockwise direction. For decoding the inverse process can be followed.

Using this coding procedure answer the questions 61-65

ఆంగ్ల వర్ణమాలలోని (26) అక్షరాలను ఒక వృత్తం గుండా అమర్చిరి. ప్రతి అచ్చును సవ్యదిశలో దాని తదుపరి రెండవ అచ్చుకు కోడ్ గా, ప్రతి హల్లును దాని తదుపరి హల్లుకు సవ్యదిశలో కోడ్ చేసిరి. డీ కోడింగ్ కోసం దీని విలోమ ప్రక్రియను పాటించాలి.

ఈ కోడింగ్ విధానాన్ని ఉపయోగించి 61-65 ప్రశ్నలకు సమాధానం ఇవ్వండి

Sub questions

Question Number : 56 Question Id : 3944843389 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Code word for LARGE is

LARGE కు కోడ్ పదం

- (1) MISHU
- (2) MISHO
- (3) MISHA
- (4) MISHE

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 57 Question Id : 3944843390 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Code word for SMALL is

SMALL కు కోడ్ పదం

- (1) TNAOO
- (2) TMIOO
- (3) TNINN
- (4) TNIMM

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 58 Question Id : 3944843391 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which word is coded as CITO?

ఏ పదం CITO గా కోడ్ చేయబడినది ?

- (1) BATE
- (2) BOSE
- (3) BASE
- (4) BESA

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 59 Question Id : 3944843392 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Code word for QUARANTINE is

QUARANTINE కు కోడ్ పదం

- (1) REISIPVUPO
- (2) REISIOVUPO
- (3) REISIUVOPO
- (4) REISIRVUPO

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 60 Question Id : 3944843393 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Code word for CORONA VIRUS is

CORONA VIRUS కు కోడ్ పదం

- (1) DASAPI WUSET
- (2) DASAPI WUSIT
- (3) DASAPI WUSIV
- (4) DASAPI WUSIW

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Sub-Section Number : 9
Sub-Section Id : 394484345
Question Shuffling Allowed : Yes

Question Number : 61 Question Id : 3944843394 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0



In a certain code, CALIFORNIA is coded as GWPEJKVJMW . The code word for

ANDHRA is

ఒక నిర్దిష్ట కోడ్‌లో CALIFORNIA ని GWPEJKVJMW గా కోడ్ చేయబడింది.

ANDHRA కు కోడ్ పదం

(1) EHVJDW

(2) EJDHVV

(3) EJHDVW

(4) AHJVDW

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 62 Question Id : 3944843395 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If 18907 is coded as BIAH then the code for 25836 is

18907 ను BIAH గా కోడ్ చేస్తే 25836 కు కోడ్

(1) FJKLM

(2) CFIDG

(3) DCGHI

(4) EHJVDW

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 63 Question Id : 3944843396 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If TRIGONOMETRY is coded as UTLKTTVUNDCK, then TRIANGLE will be

coded as

TRIGONOMETRY ని UTLKTTVUNDCK గా కోడ్ చేయబడితే TRIANGLE ని కోడ్

చేయగా వచ్చేది

(1) UTLSESMN

(2) UTLESSMN

(3) UTLSEMSM

(4) UTLESMSM

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 64 Question Id : 3944843397 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If BLACK is coded as 2515262416, then RED is coded as

BLACK ను 2515262416 గా కోడ్ చేస్తే, RED ని కోడ్ చేయగా వచ్చేది

(1) 092223

(2) 082122

(3) 072021

(4) 092122



Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 65 Question Id : 3944843398 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

If HIGH is coded as 08090708, then 'DARE' is coded as

HIGH ను 08090708గా కోడ్ చేస్తే, DARE ని కోడ్ చేయగా వచ్చేది

- (1) 04011805
- (2) 04011705
- (3) 04011605
- (4) 04011505

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Sub-Section Number : 10
Sub-Section Id : 394484346
Question Shuffling Allowed : Yes

Question Number : 66 Question Id : 3944843399 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు

In a certain leap year the first day of the year was Sunday. On what day was the 2nd of March in that year?

ఒక లీపు సంవత్సరంలో మొదటి రోజు ఆదివారం అయి ఉండెను. అదే సంవత్సరంలో మార్చి రెండున ఏ వారం అయి ఉండును?

- | | |
|--------------|---------------|
| (1) Thursday | (1) గురువారం |
| (2) Friday | (2) శుక్రవారం |
| (3) Saturday | (3) శనివారం |
| (4) Sunday | (4) ఆదివారం |

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 67 Question Id : 3944843400 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు



The angle between minutes hand and hours hand in wall clock (in radians) at 9.56 am

is

ఉదయం 9.56 గంటలకు గోడ గడియారం నిమిషాల ముల్లు, గంటల ముల్లల మధ్యకోణం (రేడియన్లలో)

(1) $\frac{19\pi}{90}$

(2) $\frac{\pi}{5}$

(3) $\frac{\pi}{4}$

(4) $\frac{17\pi}{90}$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 68 Question Id : 3944843401 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు



A clock gains time uniformly. It was observed to be 2 minutes slow at 12.00 pm on Monday and was 4 minutes 48 seconds fast at 2.00 pm on the next Monday. When did the watch show the correct time?

ఒక గడియారం సమయాన్ని సూచించడంతో ఏకరీతిగా పెరుగుతున్నది. ఇది సోమవారం మధ్యాహ్నం 12.00 గంటలకు 2 నిమిషాలు నెమ్మదిగా ఉన్నట్లు గమనించబడింది. తరువాతి సోమవారం రోజున మధ్యాహ్నం 2.00 గంటలకు 4 నిమిషాల 48 సెకన్ల వేగంగా నడుస్తున్నట్లు గమనించిరి. ఆ గడియారం ఏ రోజున సరియైన సమయం చూపును ?

(1) Friday

(1) శుక్రవారం

(2) Thursday

(2) గురువారం

(3) Wednesday

(3) బుధవారం

(4) Tuesday

(4) మంగళవారం

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 69 Question Id : 3944843402 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు

A is B's sister, C is B's mother, D is C's father and E is D's mother, then how is A related to D?

B యొక్క సోదరి A, B యొక్క తల్లి C, C తండ్రి D, మరియు D యొక్క తల్లి E అవుడు; D తో A కు గల సంబంధం ఏమి?

(1) Grand father

(1) తాతయ్య

(2) Grand mother

(2) అమ్మమ్మ

(3) Daughter

(3) కుమార్తె

(4) Grand daughter

(4) మనవరాలు

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 70 Question Id : 3944843403 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు

Mr.A left home for the bus stop 25 minutes earlier than usual. It takes 15 minutes for A to reach the bus stop. A reaches bus stop at 8.30 am. What time does A usually leave house for the bus stop?

A అనునతడు ఎప్పటికన్నా 25 నిమిషాలు ముందుగానే ఇంటినుండి బస్ స్టాపు కు బయలుదేరెను. బస్ స్టాప్ చేరుకోవడానికి A కు 15 నిమిషాలు పడుతుంది బస్ స్టాప్ కు A ఉ . 8. 30 కు చేరుకొనెను. సాధారణంగా A రోజూ బస్ స్టాపు కు బయలుదేరే సమయం ఏది ?

- (1) ఉ .9.00 am
- (2) ఉ .8.50 am
- (3) ఉ .8.40 am
- (4) ఉ .8.35 am

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 71 Question Id : 3944843404 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు

Mr A came 34 minutes before the time at which a board meeting is scheduled. Mr B arrives to the meeting 25 minutes later than Mr.C who arrived 7 minutes before the scheduled time of that board meeting. If B arrived at 11.03 am, then the time of arrival of Mr.A is

ఒక బోర్డు సమావేశపు నిర్ణీత సమయానికిన్న 34 నిమిషాలు ముందుగా A అనునతడు వచ్చెను. సమావేశ సమయానికి 7 నిమిషాలు ముందుగా వచ్చిన C కన్న 25 నిమిషాలు ఆలస్యంగా B సమావేశానికి వచ్చాడు. B కనక ఉ. 11. 03 లకు సమావేశానికి హాజరైనచో A అరుదెంచిన సమయం

- (1) ఉ.10.11 am
- (2) ఉ.10.45 am
- (3) ఉ.10.38 am
- (4) ఉ.11.03 am

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 72 Question Id : 3944843405 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు



A church bell rings at regular intervals of 50 minutes. It rang at 7.00 am after that there was a technical problem with the bell and it was rectified at 8.45 am. When will the bell ring between 10 am and 11 am ?

ఒక చర్చి గంట క్రమం తప్పకుండా ప్రతి 50 నిమిషాల కొకమారు మ్రోగుతుంది. ఉదయం 7.00 గంటలకు మ్రోగింది, ఆ తర్వాత సాంకేతిక సమస్య తలెత్తగా దానిని ఉదయం 8.45 కు సరి చేసిరి. ఉదయం 10 మరియు 11 గంటల మధ్య గంట ఎప్పుడు మ్రోగుతుంది?

- (1) ఉ. 10.20 am
- (2) ఉ. 10.30 am
- (3) ఉ. 10.50 am
- (4) ఉ. 10.40 am

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 73 Question Id : 3944843406 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు

For $\frac{a}{b} < 1$, define $a * b = \frac{a}{b} + \frac{a^3}{b^3} + \frac{a^5}{b^5} + \dots$ then $4 * 6 =$

$\frac{a}{b} < 1$ కు $a * b = \frac{a}{b} + \frac{a^3}{b^3} + \frac{a^5}{b^5} + \dots$ గా నిర్వచితం అవుతు $4 * 6 =$

(1) $\frac{1}{2}$

(2) $\frac{2}{3}$

(3) 1

(4) $\frac{6}{5}$

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 74 Question Id : 3944843407 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు

If $x\Delta y = |x|y + x|y| - (x+y)$ for $x, y \in \mathbb{R}$, then $\frac{-3}{2}\Delta\frac{1}{2} =$

$x, y \in \mathbb{R}$ లకు $x\Delta y = |x|y + x|y| - (x+y)$ అయితే, $\frac{-3}{2}\Delta\frac{1}{2} =$

(1) 1

(2) $\frac{-1}{2}$

(3) $\frac{1}{2}$

(4) $\frac{1}{4}$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 75 Question Id : 3944843408 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Date, Time & Arrangement Problems

తేదీ, సమయం, అమరికల సమస్యలు



If α, β, γ and δ denote the arithmetical operations $+, -, \times$ and \div respectively then

$$[(10 \gamma 4) \alpha (4\gamma 4)\beta 6] \delta (50) =$$

α, β, γ మరియు δ వరుసగా అంకగణిత పరిక్రమలు $+, -, \times$ మరియు \div లను

సూచిస్తే $[(10 \gamma 4) \alpha (4\gamma 4)\beta 6] \delta (50) =$

(1) 4

(2) 3

(3) 2

(4) 1

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Mathematical Ability

Section Id :	39448450
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	75
Number of Questions to be attempted :	75
Section Marks :	75
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	394484347
Question Shuffling Allowed :	Yes

Question Number : 76 Question Id : 3944843409 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

$$\{ 3 - \{ 1 - (1 - x^2)^{-1} \}^{-1} \}^{-1/2}$$

- (1) 1
- (2) x
- (3) $1/x$
- (4) \sqrt{x}

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Options :

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

Question Number : 77 Question Id : 3944843410 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

$$\text{If } \frac{(2^{n+1})^m (2^{2n}) (2^n)}{(2^{m+1})^n (2^{2m})} = 1, \text{ then } m =$$

$$\frac{(2^{n+1})^m (2^{2n}) (2^n)}{(2^{m+1})^n (2^{2m})} = 1 \text{ అయితే, } m =$$

- (1) $\frac{n}{2}$
- (2) n
- (3) $2n$
- (4) n^2

Options :

1. ✖ 1



2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 78 Question Id : 3944843411 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

If $a : b = 3 : 7$ and $b : c = 5 : 4$, then $2a : 3b : 4c =$

$a : b = 3 : 7$ మరియు $b : c = 5 : 4$ అయితే, $2a : 3b : 4c =$

(1) 6 : 21 : 16

(2) 15 : 35 : 28

(3) 30 : 105 : 112

(4) 30 : 70 : 81

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 79 Question Id : 3944843412 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

Four men can do as much work as eight women, and three women can do as much work as four children. If twenty-four women finish a work in 52 days, in how many days, will the same work be finished by 8 men, 4 women and 8 children?

నలుగురు పురుషులు చేసే పనిని ఎనిమిది మంది స్త్రీలు మరియు ముగ్గురు స్త్రీలు చేసే పనిని నలుగురు పిల్లలు చేయగలరు. ఇరవై నాలుగు మంది స్త్రీలు ఆ పనిని 52 రోజుల్లో పూర్తి చేస్తే, అదే పనిని ఎనిమిది మంది పురుషులు, నలుగురు స్త్రీలు మరియు ఎనిమిది మంది పిల్లలు ఎన్ని రోజులలో పూర్తి చేస్తారు?

- (1) 48
- (2) 38
- (3) 50
- (4) 40

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 80 Question Id : 3944843413 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

$$\frac{2}{\sqrt{10 + 2\sqrt{21}}} - \frac{1}{\sqrt{12 - 2\sqrt{35}}} + \frac{1}{\sqrt{8 - 2\sqrt{15}}}$$

(1) $\sqrt{7}$

(2) $\sqrt{5}$

(3) $\sqrt{3}$

(4) 0

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 81 Question Id : 3944843414 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

If $x = 17 + 12\sqrt{2}$ then $x^2 + \frac{1}{x^2} =$

$x = 17 + 12\sqrt{2}$ అయితే, $x^2 + \frac{1}{x^2} =$

(1) $289 + 24\sqrt{2}$

(2) 287

(3) $34 + 24\sqrt{2}$

(4) 1154

Options :

1. ✖ 1



2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 82 Question Id : 3944843415 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

The number of divisors of 2160 which is of the form $3k$, where k is a positive integer is

k ధన పూర్ణాంకం అయితే $3k$ రూపములో ఉండే 2160 యొక్క భాజకాల సంఖ్య

- (1) 10
- (2) 20
- (3) 30
- (4) 40

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 83 Question Id : 3944843416 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

The remainder when $5! + 6! + 7! + \dots + 100!$ is divided by 35 is ____

$5! + 6! + 7! + \dots + 100!$, ను 35 చే భాగించినప్పుడు వచ్చే శేషము

(1) 0

(2) 1

(3) 2

(4) 3

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 84 Question Id : 3944843417 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

The LCM and GCD of two numbers are 4641 and 21 respectively. If one is greater than 300, then find the other number.

రెండు సంఖ్యల క.సా.గు., గ.సా. భా. లు వరుసగా 4641 మరియు 21. రెండు

సంఖ్యలలో ఒక సంఖ్య 300 కన్నా పెద్దది అయితే, రెండవ సంఖ్య

(1) 273

(2) 283

(3) 293

(4) 299

Options :

1. ✓ 1

2. ✗ 2



3. ✖ 3

4. ✖ 4

Question Number : 85 Question Id : 3944843418 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

If the GCD of two positive integers m, n is 5, then the GCD of $201m$ and $2697n$ is

రెండు పూర్ణాంకాలు m, n ల గ.సా.భా. 5 అయితే, $201m$ మరియు $2697n$ ల గ.సా.భా.

(1) 5

(2) 10

(3) 15

(4) 20

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 86 Question Id : 3944843419 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



$$5 + \frac{1}{6 + \frac{1}{8 + \frac{1}{10}}} =$$

(1) $5 \frac{18}{496}$

(2) $5 \frac{81}{496}$

(3) $5 \frac{118}{496}$

(4) $5 \frac{169}{496}$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 87 Question Id : 3944843420 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

$$(11 \div 2\frac{1}{5}) \div \frac{11}{5} \text{ of } \div 5\frac{1}{2} - 3\frac{1}{2} =$$

(1) $\frac{3}{11}$

(2) 5

(3) $\frac{9}{2}$

(4) 9

Options :

1. ✘ 1

2. ✘ 2



3. ✘ 3

4. ✔ 4

Question Number : 88 Question Id : 3944843421 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

The ascending order of the following fractions

కింది భిన్నాల ఆరోహణ క్రమం

$$a = \frac{1}{2}; b = \frac{2}{9}; c = \frac{7}{13}; d = \frac{13}{18} \text{ is}$$

(1) a, b, c, d

(2) b, a, c, d

(3) d, c, b, a

(4) c, d, a, b

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 89 Question Id : 3944843422 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



If $a \leq b \leq c \leq d \leq e \leq a$ and $e = 39$, then possible value of c is

$a \leq b \leq c \leq d \leq e \leq a$ మరియు $e = 39$ అయితే, c కు సాధ్యమయ్యే

విలువ

(1) 29

(2) 39

(3) 49

(4) 59

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 90 Question Id : 3944843423 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



In a mixture of 450 kg of two food grains A and B, A is 15%. How much quantity of B (in kg) is to be added to this mixture so that A will be 5% in the resulting quantity?

450 కీ.గ్రా. ల రెండు ఆహార ధాన్యాలు A, B ల మిశ్రమంలో A, 15% గా ఉంది. ఆ మిశ్రమానికి ధాన్యరాశి B (కీ.గ్రా.లలో) ని ఎంత కలపడం వల్ల తద్వారా వచ్చిన ధాన్యరాశిలో A అనేది 5% కాగలదు?

- (1) 540
- (2) 600
- (3) 860
- (4) 900

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Question Number : 91 Question Id : 3944843424 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



If 25% of 640 is 11 less than x% of 15, then x =

15లో x% శాతం కన్న 640లో 25% అనేది 11 తక్కువ అయితే, x =

- (1) 57
- (2) 114
- (3) 1140
- (4) 570

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 92 Question Id : 3944843425 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

If the cost price of 20 articles is equal to the sale price of 16 articles, then the profit percentage is

20 వస్తువులను కొన్నవెల, 16 వస్తువులను అమ్మినవెలకు సమానమైతే లాభశాతమెంత ?

- (1) 25
- (2) $27\frac{1}{2}$
- (3) 30
- (4) $32\frac{1}{3}$

Options :

- 1. ✔ 1



2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 93 Question Id : 3944843426 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

The marked price of article A is Rs.1200 more than its cost price. When a discount of Rs.300 is allowed, a profit of 20% is earned. To earn a profit of 25%, the price at which the article A should be sold is (in Rupees).

ఒక వస్తువు A యొక్క ప్రకటిత ధర దాని కొనుగోలు ధర కంటే రూ .1200 ఎక్కువ. రూ.300 తగ్గింపు చేసినప్పుడు, 20% లాభం ఆర్జించాడు. అయితే 25% లాభం ఆర్జించడానికి ఆ వస్తువు ను అమ్మవలసిన ధర (రూపాయిలలో).

- (1) 5120
- (2) 5400
- (3) 5625
- (4) 6200

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 94 Question Id : 3944843427 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత



A, B, C started a partnership business where A invests 3 times as much as B and B invests $\frac{2}{3}$ of what C invests. The ratio of their profits at the end of the year is

A, B, C లు భాగస్వామ్యము తో ఒక వ్యాపారాన్ని ప్రారంభించిరి. B మూలధనానికి 3 రెట్లు A, C మూలధనంలో $\frac{2}{3}$ వంతు మూలధనముతో B పెట్టుబడిపెట్టగా సంవత్సరం చివరలో వారి లాభాల నిష్పత్తి

(1) 2 : 3 : 6

(2) 3 : 2 : 4

(3) 6 : 2 : 3

(4) 6 : 1 : 2

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 95 Question Id : 3944843428 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



In a partnership business with A, B, C as partners, the capital of A is $\frac{3}{4}$ of the capital of B + C and capital of B is $\frac{1}{3}$ of the capital of C + A. The ratio of the annual share of their profits is

A, B, C లు ఒక వ్యాపారములో భాగస్వాములు. B+C మూలధనములో $\frac{3}{4}$ వ వంతు మూలధనముతో A మరియు C+A మూలధనములో $\frac{1}{3}$ వ వంతు మూలధనముతో B పెట్టుబడి పెడితే వారి సంవత్సర లాభాల వాటాల నిష్పత్తి

(1) 5 : 8 : 11

(2) 7 : 10 : 11

(3) 11 : 9 : 8

(4) 12 : 7 : 9

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 96 Question Id : 3944843429 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



A tank has two taps A and B. The taps A and B can empty a full tank in 6 hours and 8 hours respectively. Both are opened at same instant and after 2 hours, B is closed.

Total time taken to fill the empty tank (in hours) is

ఒక ట్యాంక్ కు రెండు కుళాయిలు కలవు. కుళాయిలు A మరియు B లు ఒక నిండు ట్యాంకును వరుసగా 6 గంటలు మరియు 8 గంటలలో ఖాళీ చేయగలవు. రెండు కుళాయిలు ఒకేసారి తెరిచి, రెండు గంటల తర్వాత B మూయబడింది. అయితే, ట్యాంకును ఖాళీ చేయటానికి పట్టే సమయం (గంటలలో)

(1) $2\frac{1}{2}$

(2) 3

(3) $3\frac{1}{2}$

(4) $4\frac{1}{2}$

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 97 Question Id : 3944843430 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



A pipe can fill a tank in 16 minutes and a second one fill it in 24 minutes. A third pipe can empty that full tank in 8 minutes. The first two pipes are kept open for 4 minutes in the beginning and then the third pipe is opened. Then the time in which the tank will be emptied after all the three pipes started working simultaneously (in minutes) ?

ఒక గొట్టము ఒక ట్యాంక్‌ను 16 నిమిషాల్లో నింపగలదు మరియు రెండవది 24 నిమిషాల్లో నింపగలదు. మూడవ గొట్టము ఆ పూర్తి ట్యాంక్‌ను 8 నిమిషాల్లో ఖాళీ చేయగలదు. ప్రారంభంలో మొదటి రెండు గొట్టాలను 4 నిమిషాలు తెరిచిన తర్వాత, మూడవ గొట్టము తెరచబడినది. అయితే మూడు గొట్టాలు ఒకేసారి పనిచేయడం ప్రారంభిస్తే ట్యాంక్ ఖాళీ చేయబడే సమయం (నిమిషాలలో)?

- (1) 20
- (2) 24
- (3) 28
- (4) 32

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 98 Question Id : 3944843431 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

Initially Mandeep is at place X and Sandeep is at place Y and these two places are separated by a distance of 825 kms. Mandeep started his journey at 35 kph for 3 hours earlier than Sandeep to meet each other. If the speed of Sandeep is 45 kmph and they met at place Z between X and Y; the distance between Y and Z (in kms) is

మొదట మన్దీప్ X స్థానం వద్ద మరియు సందీప్ Y స్థానం వద్ద ఉన్నారు. మరియు ఈ రెండు స్థానముల మధ్య దూరము 825 కిలోమీటర్లు. మన్దీప్ తన ప్రయాణాన్ని సందీప్ కంటే 3 గంటలు ముందు గంటకు 35 కిలోమీటర్ల వేగంతో ఒకరినొకరు కలవడానికి ప్రారంభించాడు. సందీప్ వేగం గంటకు 45 కి.మీ. అయి, వారు X మరియు Y స్థానముల మధ్య Zల స్థానంవద్ద కలిస్తే; Y మరియు Z మధ్య దూరం (కిలోమీటర్లలో)

- (1) 505
- (2) 460
- (3) 435
- (4) 405

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Question Number : 99 Question Id : 3944843432 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత



A person walking at a speed of 10 kmph stops and rests for 2 minutes after every kilometer. How much time will he take to cover 6 kms?

ఒక వ్యక్తి గంటకు 10 కి.మీ. వేగముతో నడుస్తూ ప్రతీ కిలోమీటరు తర్వాత ఆగి 2 నిమిషాలు విశ్రాంతి తీసుకుంటే 6 కి.మీ. లను ఎంత కాలములో నడవగలడు?

- | | |
|---------------------------|----------------------------|
| (1) 55 minutes | (1) 55 నిమిషాలు |
| (2) 50 minutes 36 seconds | (2) 50 నిమిషాలు 36 సెకన్లు |
| (3) 46 minutes | (3) 46 నిమిషాలు |
| (4) 35 minutes 36 seconds | (4) 35 నిమిషాలు 36 సెకన్లు |

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 100 Question Id : 3944843433 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

35 persons can plant 1500 trees in 7 hours. In how many hours 45 persons can plant 2500 trees?

35 మంది మనుషులు 7 గంటలలో 1500 చెట్లు నాటగలరు. అయితే 45 మంది మనుషులు 2500 చెట్లను ఎన్ని గంటలలో నాటగలరు?

(1) 15

(2) 12

(3) 8

(4) 10

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 101 Question Id : 3944843434 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



Two persons A and B undertook to do a piece of work for Rs.6534. A alone can do it in 12 days and B alone can do it in 18 days. If they finished that with the help of C in 6 days, then the share of C in that work is (in rupees)

ఇద్దరు వ్యక్తులు A మరియు B లు పనిలో ఒక భాగాన్ని చేయుటకు రూ 6534 లకు చేపట్టారు. A ఒక్కడే ఆ పనిని 12 రోజులలో చేయగలడు. మరియు B ఒక్కడే ఆ పనిని 18 రోజులలో చేయగలడు. వారు ఆ పనిని C సహాయముతో 6 రోజులలో పూర్తి చేస్తే ఆ పనిలో C యొక్క వాటా (రూపాయలలో)

- (1) 1484
- (2) 1268
- (3) 1089
- (4) 936

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 102 Question Id : 3944843435 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత



The area of a rhombus if its perimeter is 40 cm and one of its diagonals is 16 cm (in sq.cm) is

40 సెం. మీ. ల చుట్టు కొలత మరియు ఒక కర్ణము 16 సెం.మీ. గా గల సమ చతుర్భుజము యొక్క వైశాల్యం (చ.సెం. మీ.లలో)

(1) 84

(2) 90

(3) 92

(4) 96

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 103 Question Id : 3944843436 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



Around a circular field of radius 5 meters, there is a path of 2 meters wide. Then the area of the path (in sq. m) is

5మీ వ్యాసార్థం గల వృత్తాకార క్షేత్రం చుట్టూ వెలుపల 2మీ నిడివి గల బాట కలదు. ఆ బాట వైశాల్యం (చ.మీ. లలో)

(1) 12π

(2) 15π

(3) 18π

(4) 24π

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 104 Question Id : 3944843437 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



Two metallic right circular cones with same base with the radius 2.1 cm, and height 4.1 cm and 4.3 cm, have been melted and recast into a sphere. The surface area (in sq.cm) of that sphere is

ఒకే భూవ్యాసార్థం 2.1 సెం.మీ., ఎత్తులు 4.1 సెం.మీ., 4.3 సెం.మీ. గల రెండు లోహపు శంఖువులను కరిగించి తిరిగి ఒక గోళంగా మలిచిరి. అప్పుడు ఆ గోళపు ఉపరితల వైశాల్యం (చ సెం మీ లలో)

(1) 49.82

(2) 51.64

(3) 55.44

(4) 56.84

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 105 Question Id : 3944843438 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



The ratio of the curved surface area and the total surface area of a right circular cylinder is 1 : 2. If its total surface area is 616 sq.cm., then the volume (in cm^3) of that cylinder is

ఒక వృత్తాకార స్తూపం యొక్క వక్రతల వైశాల్యం మరియు సంపూర్ణతల వైశాల్యములు 1 : 2 నిష్పత్తిలో ఉన్నాయి. ఆ స్తూపము సంపూర్ణతల వైశాల్యము 616 సెం. మీ.² అయితే దాని ఘనపరిమాణము (సెం. మీ.³ లలో)

- (1) 1240
- (2) 1078
- (3) 1028
- (4) 976

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 106 Question Id : 3944843439 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

If four circular plates of radius 5 cm are placed such that each plate touches two other.

Then the area of the hallow space between them, in cm^2 , is (take $\pi = \frac{22}{7}$)

ప్రతి రెండు పళ్లేలు మిగతా రెండు పళ్లేలను స్పృశించే విధంగా 5 సెం. మీ. వ్యాసార్థంగా గల నాలుగు వృత్తాకార పళ్లేలను అమర్చిరి. అప్పుడు వాటి మధ్య ఖాళీగా ఉన్న ప్రదేశం వైశాల్యం (చ. సెం. మీ. లలో) ($\pi = \frac{22}{7}$ గా తీసుకోండి)

(1) 21.43

(2) 78.57

(3) 39.28

(4) 60.72

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 107 Question Id : 3944843440 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



A window is in the shape of a rectangle and mounted by a semi circle. If the length of the rectangle is 150 cm and the breadth of the rectangle on which the semi circular part stands is 70 cm. Then the area of the window, in sq.cm. is (take $\pi = \frac{22}{7}$)

ఒక కిటికీ దీర్ఘ చతురస్రంపై ఒక అర్ధవృత్తాన్ని బోర్లించినట్లున్నది. దీర్ఘ చతురస్రం పొడవు 150మీ. మరియు వెడల్పు, దేనిపైనైతే అర్ధవృత్తాన్ని బోర్లించామో, 70 సెం. మీ. అయితే కిటికీ వైశాల్యం (చ. సెం. మీ.)

($\pi = \frac{22}{7}$ గా తీసుకోండి)

(1) 10,500

(2) 14,350

(3) 12,425

(4) 18,200

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 108 Question Id : 3944843441 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత



A cylindrical vessel of radius 10 cm contains water up to a depth of 25 cm. A spherical iron ball is dropped into the vessel and the level of water is raised by 45 cm. The radius of the iron ball (in cms) is

10 సెం. మీ భూ వ్యాసార్థం గల ఒక స్థూపాకారపు పాత్రలో 25 సెం. మీ లోతు వరకు నీళ్ళున్నాయి. ఒక లోహపు గోళాన్ని ఆ పాత్రలోకి జారవిడవగా నీటి మట్టం 45 సెం. మీ. లకు పెరిగింది. అప్పుడు లోహపు గోళం వ్యాసార్థం (సెం. మీ లలో)

- (1) 12
- (2) 15
- (3) 16
- (4) 18

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 109 Question Id : 3944843442 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability
అంకగణిత సామర్థ్యత

$$(102)_3 + (103)_4 =$$

- (1) $(11100)_2$
- (2) $(11110)_2$
- (3) $(10110)_2$
- (4) $(11001)_2$

Options :

- 1. ✖ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 110 Question Id : 3944843443 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Arithmetical Ability

అంకగణిత సామర్థ్యత

Let $m \in \mathbb{Z}^+$ be such that $m \equiv 29 \pmod{72}$. If $m \equiv r \pmod{12}$ and $0 \leq r < 12$,

then $\frac{r!}{12} =$

$m \equiv 29 \pmod{72}$ అయ్యేట్లు m ఒక ధన పూర్ణాంకం

$m \equiv r \pmod{12}$ మరియు $0 \leq r < 12$, అయితే $\frac{r!}{12} =$

(1) 5

(2) $\frac{1}{2}$

(3) 10

(4) $\frac{5}{12}$

Options :

1. ✗ 1

2. ✗ 2

3. ✓ 3

4. ✗ 4

Sub-Section Number :

2

Sub-Section Id :

394484348

Question Shuffling Allowed :

Yes

Question Number : 111 Question Id : 3944843444 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability

బీజీయ, జ్యామితీయ సామర్థ్యత



Which one of the following implications is false?

క్రింది అనుషంగికాలలో ఏది అసత్యం?

(1) if $3 + 2 = 5$ then $1 \times 0 = 0$

$3 + 2 = 5$ అయితే $1 \times 0 = 0$

(2) if $3 \times 6 = 20$ then $2 + 7 = 9$

$3 \times 6 = 20$ అయితే $2 + 7 = 9$

(3) if $5 \times 7 = 30$, then $2 \div 1 = 2$

$5 \times 7 = 30$, అయితే $2 \div 1 = 2$

(4) if $6 \times 7 = 42$ then $6 \div 2 = 4$

$6 \times 7 = 42$ అయితే $6 \div 2 = 4$

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 112 Question Id : 3944843445 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability

బీజీయం, జ్యామితీయ సామర్థ్యం

The inverse of the statement $(p \wedge q) \rightarrow (q \rightarrow r)$

ప్రవచనము $(p \wedge q) \rightarrow (q \rightarrow r)$ యొక్క విలోమము

(1) $p \wedge (q \rightarrow r)$

(2) $r \wedge (p \rightarrow q)$

(3) $q \wedge (r \rightarrow p)$

(4) $r \wedge (q \rightarrow p)$

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 113 Question Id : 3944843446 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

Let N denote the set of natural numbers. Define

N అనేది సహజ సంఖ్య సమితిని సూచిస్తుంది

$A = \{ x \mid x = 4n, n \in N \}$ and $B = \{ x \mid x = 6n, n \in N \}$ then $A \cap B =$

$A = \{ x \mid x = 4n, n \in N \}$ మరియు $B = \{ x \mid x = 6n, n \in N \}$ అయితే $A \cap B =$

(1) $\{ x \mid x = 24n, n \in N \}$

(2) $\{ x \mid x = 12n; n \in N \}$

(3) $\{ x \mid x = 2n; n \in N \}$

(4) The empty set
శూన్యసమితి

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3



Question Number : 114 Question Id : 3944843447 Question Type : MCQ Option Shuffling : No Display
 Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
 Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
 బీజీయం, జ్యామితీయ సామర్థ్యం

If $A = \{p, q, r, s\}$ then a relation on A, which is not transitive among the following?

$A = \{p, q, r, s\}$ అయితే ఈ క్రింది వాటిలో ఏది సంక్రమణ సంబంధము కాదు?

- (1) $\theta_1 = \{(p, q), (q, s), (p, s)\}$
- (2) $\theta_2 = \{(p, p), (q, q), (r, r)\}$
- (3) $\theta_3 = \{(p, q), (q, p), (p, p)\}$
- (4) $\theta_4 = \{(p, q), (r, s)\}$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 115 Question Id : 3944843448 Question Type : MCQ Option Shuffling : No Display
 Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
 Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
 బీజీయం, జ్యామితీయ సామర్థ్యం



If a set A has 6 elements, then the number of reflexive relations on A that are not symmetric is

సమితి Aలో 6 మూలకాలు కలవు. Aపై సౌష్ఠవం కాని పరావర్తనం సంబంధాల సంఖ్య

- (1) $2^{36} - 2^6$
- (2) $2^{30} - 2^{15}$
- (3) $2^{30} - 2^{21}$
- (4) 2^{21}

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 116 Question Id : 3944843449 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

The equation of a line passing through the points (2, 5) and (4, 7) is

(2,5) (4,7) బిందువుల గుండా పోయే సరళరేఖ సమీకరణము

- (1) $2x - 3y - 7 = 0$
- (2) $3x + 2y + 7 = 0$
- (3) $x - y + 3 = 0$
- (4) $x + y + 3 = 0$

Options :

- 1. ✘ 1



2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 117 Question Id : 3944843450 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయం, జ్యామితీయ సామర్థ్యం

An equation of a line passing through (4, 3) and making intercepts on coordinate axes
whose sum is equal to -1 is

(4, 3) బిందువు గుండా పోతూ నిరూపక అక్షాలపై చేసే అంతర ఖండాల
మొత్తం -1 అయ్యేటట్లు సరళరేఖ సమీకరణము

(1) $x - y - 1 = 0$

(2) $x + 3y - 13 = 0$

(3) $2x - y - 5 = 0$

(4) $x - 2y + 2 = 0$

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 118 Question Id : 3944843451 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయం, జ్యామితీయ సామర్థ్యం



$$\sec\theta + \tan\theta =$$

(1) $\cos\theta + \sin\theta$

(2) $\frac{1}{\sec\theta - \tan\theta}$

(3) $\frac{1}{\sec\theta + \tan\theta}$

(4) $\cos\theta - \sin\theta$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 119 Question Id : 3944843452 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయం, జ్యామితీయ సామర్థ్యం

$$\sin 12^\circ \sin 24^\circ \sin 48^\circ \sin 84^\circ =$$

(1) $\frac{1}{16}$

(2) $\frac{2}{15}$

(3) $\frac{3}{15}$

(4) $\frac{5}{16}$

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 120 Question Id : 3944843453 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



If $A + C = B$, then $\tan A \cdot \tan B \cdot \tan C =$

$A + C = B$ అయితే, $\tan A \cdot \tan B \cdot \tan C =$

(1) $\tan A - \tan B - \tan C$

(2) $\tan B - \tan C - \tan A$

(3) $\tan C - \tan A - \tan B$

(4) $\tan A + \tan B + \tan C$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 121 Question Id : 3944843454 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



A straight high way leads to the foot of a tower. Anil standing at the top of the tower observes a car at an angle of depression 30° . Six seconds later, the angle of depression of the car is found to be 60° . If the car is approaching the foot of tower with a uniform speed, the time taken by the car to reach the foot of that tower from this, the later point (in seconds) is

ఒక ఖైవే, ఒక స్తంభం పాదం వైపు వెళ్తుంది. స్తంభంపైన నిలుచున్న అనిల్ ఒక కారును 30° నిమ్నకోణంతో గమనించాడు. ఆరు సెకన్ల తరువాత ఆ కారును 60° నిమ్నకోణంలో కనుగొన్నాడు. ఆ కారు ఏకరీతి వేగంతో స్తంభం వైపుగా వస్తుంటే, ఈ తరువాతి బిందువునుండి స్తంభం పాదాన్ని చేరుటకు పట్టు సమయం (సెకన్లలో)

- (1) 2
- (2) 3
- (3) $3\frac{1}{2}$
- (4) 4

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 122 Question Id : 3944843455 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయం, జ్యామితీయ సామర్థ్యం



If $a + b + c = 15$ and $a^2 + b^2 + c^2 = 77$ then $ab + bc + ca =$

$a + b + c = 15$ మరియు $a^2 + b^2 + c^2 = 77$ అయితే, $ab + bc + ca =$

(1) 85

(2) 81

(3) 72

(4) 74

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 123 Question Id : 3944843456 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

If $x^4 + 6x^3 + ax^2 + 12x + b$ is a perfect square, then $3a - 2b =$

$x^4 + 6x^3 + ax^2 + 12x + b$ ఖచ్చిత వర్గము అయితే, $3a - 2b =$

(1) 47

(2) 19

(3) 31

(4) 28

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✖ 4

Question Number : 124 Question Id : 3944843457 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

If the remainder when a certain integer x is divided by 5 is 2, then each one of the following could also be an integer, except

ఒక నిర్ణీత పూర్ణాంకం x ను 5 తో భాగించినప్పుడు శేషము 2 వస్తే ఈ క్రిందివాటిలో ప్రతి ఒక్కటి పూర్ణాంకం కాగలదు, ఒకటి తప్ప అదేమంటే

(1) $\frac{x}{11}$

(2) $\frac{x}{10}$

(3) $\frac{x}{6}$

(4) $\frac{x}{3}$

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 125 Question Id : 3944843458 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

The remainder if $73 \times 74 \times 75 \times 76$ is divided by 14 is

$73 \times 74 \times 75 \times 76$ ను 14 తో భాగిస్తే వచ్చే శేషము

- (1) 13
- (2) 12
- (3) 10
- (4) 9

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 126 Question Id : 3944843459 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

If $\frac{4}{x+y} + \frac{3}{x-y} = 2$, $\frac{8}{x+y} - \frac{1}{x-y} = \frac{1}{2}$, then $(x, y) =$

$\frac{4}{x+y} + \frac{3}{x-y} = 2$, $\frac{8}{x+y} - \frac{1}{x-y} = \frac{1}{2}$ అయితే, $(x, y) =$

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

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Question Number : 127 Question Id : 3944843460 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical



Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

If the difference of $\frac{7}{12}$ th of a positive integer and $\frac{8}{15}$ of the same positive integer is 6,

then the number of distinct primes that divide that positive integer is

ఒక ధన పూర్ణాంకం యొక్క $\frac{7}{12}$ భాగము మరియు $\frac{8}{15}$ భాగముల బేధము 6 అయితే,

ఆ పూర్ణాంకాన్ని భాగించే విభిన్న ప్రధాన సంఖ్యల సంఖ్య

(1) 1

(2) 2

(3) 3

(4) 4

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 128 Question Id : 3944843461 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత



The sum of the infinite G.P. is

అనంత గుణ శ్రేణి మొత్తము

$$5, \frac{20}{7}, \frac{80}{49}, \frac{320}{343}, \dots$$

(1) $\frac{25}{3}$

(2) $\frac{35}{3}$

(3) $\frac{100}{7}$

(4) $\frac{113}{7}$

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 129 Question Id : 3944843462 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యం



The sum to infinite terms of a G.P. is 15 and the sum of their squares is 150. If r is the common ratio of the G.P. , then $100 r^2 =$

ఒక గుణ శ్రేణి యొక్క అనంత పదాల మొత్తము 15 మరియు ఆ పదాల వర్గాల మొత్తము 150. r అనేది ఆ గుణశ్రేణి సాధారణ నిష్పత్తి అయితే, $100 r^2 =$

- (1) 4
- (2) 8
- (3) 12
- (4) 16

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 130 Question Id : 3944843463 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

The numerically greatest term in the expansion of $(2x - 3y)^{12}$,

when $x = 1, y = \frac{5}{3}$ is

$x = 1, y = \frac{5}{3}$ అయినప్పుడు $(2x - 3y)^{12}$ విస్తరణలో సంఖ్యాపరంగా గరిష్ట పదము

- (1) 8
- (2) 9
- (3) 10
- (4) 11

Options :



1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 131 Question Id : 3944843464 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

The term independent of x in the expansion of is $\left(3x^3 - \frac{1}{2x^4}\right)^7$

$\left(3x^3 - \frac{1}{2x^4}\right)^7$ విస్తరణలో స్వతంత్ర పదం

- (1) No term is independent of x
ఏ పదం x నుండి స్వతంత్రం కాదు
- (2) 5th term
5వ పదం
- (3) 4th term
4వ పదం
- (4) 3rd term
3వ పదం

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 132 Question Id : 3944843465 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత



A square matrix A is called an orthogonal matrix if A satisfies

ఒక చతురస్ర మాతృక A, అభిలంబ మాతృక కావడానికి నియమం

(1) $A^T = A$

(2) $A^T = -A$

(3) $A^T = A^{-1}$

(4) $A^T = A^2$

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 133 Question Id : 3944843466 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయం, జ్యామితీయ సామర్థ్యం

A is a 3 x 3 matrix and B is its adjoint matrix. If the determinant of B is 64, then the determinant of A is

A ఒక 3 x 3 మాతృక మరియు B దాని అనుబంధ మాతృక. B యొక్క నిర్ధారకము 64 అయితే A యొక్క నిర్ధారకము

(1) 4

(2) ± 4

(3) 8

(4) ± 8



Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 134 Question Id : 3944843467 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

$$\lim_{x \rightarrow \infty} (\sqrt{x^2 + x + 1} - \sqrt{x^2 + 1}) =$$

- (1) ∞
- (2) -1
- (3) $\frac{1}{2}$
- (4) 1

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 135 Question Id : 3944843468 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత



If $3x^2 + 2xy + y^2 = 6$, then $\frac{dy}{dx}$ at $(-1, 2)$ is

$$3x^2 + 2xy + y^2 = 6, \text{ అయితే, } (-1, 2) \text{ వద్ద } \frac{dy}{dx} =$$

(1) 0

(2) $\frac{1}{2}$

(3) 1

(4) $\frac{3}{2}$

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 136 Question Id : 3944843469 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

A right angled triangle is to be constructed such that the sum of lengths of perpendicular sides can't be greater than 24cm and the area is to be maximum. Then the length of hypotenuse (in cm) is

ఒక లంబకోణ త్రిభుజాన్ని లంబ భుజాల పొడవుల మొత్తం 24 సెం. మీ. కన్న పెరగకుండా, వైశాల్యం గరిష్టంగా ఉండేట్లు నిర్మించాలి ఉంది. అప్పుడు దాని కర్ణం పొడవు (సెం. మీ. లలో)

(1) 36

(2) 18

(3) $18\sqrt{2}$

(4) $12\sqrt{2}$



Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 137 Question Id : 3944843470 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

The diagonals of a trapezium PQRS intersect at the point A. If the ratio PA : PR is 3 : 7, then the ratio of lengths of its parallel sides is

సమలంబ చతుర్భుజం PQRS యొక్క వికర్ణాలు బిందువు A వద్ద ఖండించుకుంటున్నాయి. PA : PR నిష్పత్తి 3 : 7 అయితే సమాంతర భుజాల పొడవుల నిష్పత్తి

- (1) 3 : 7
- (2) 4 : 7
- (3) 3 : 4
- (4) 2 : 7

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 138 Question Id : 3944843471 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత



Two circles have radii 13cm and 29cm, and the distance between their centres is 15 cm, then the number of common tangents that can be drawn to the two circles is

రెండు వృత్తాల వాసార్థాలు 13 సెం. మీ. మరియు 29 సెం. మీ. . ఆ రెండు వృత్త కేంద్రాల మధ్య దూరము 15 సెం. మీ. అయితే, ఆ రెండు వృత్తాలకు గీయగల ఉమ్మడి స్పర్శ రేఖల సంఖ్య

- (1) 0
- (2) 1
- (3) 2
- (4) 4

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 139 Question Id : 3944843472 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత



If the points A(3, 2); B(-3, 2) and C(0, h) form the vertices of an equilateral triangle, then one value of h is

A(3, 2); B(-3, 2) మరియు C(0, h) బిందువులు ఒక సమబాహు త్రిభుజము యొక్క శీర్షాలు అయితే, h యొక్క ఒక విలువ

(1) $3 - 2\sqrt{3}$

(2) $2 - 3\sqrt{3}$

(3) $3\sqrt{3}$

(4) $2\sqrt{3}$

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 140 Question Id : 3944843473 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Algebraic and Geometrical Ability
బీజీయ, జ్యామితీయ సామర్థ్యత

The distance of point (a, b) to the line $\alpha x + \beta y + \gamma = 0$ is

(a, b) బిందువు నుండి $\alpha x + \beta y + \gamma = 0$ రేఖకు దూరము

(1) $\left| \frac{a+b}{\sqrt{\alpha^2+\beta^2}} \right|$

(2) $\left| \frac{\alpha+\beta}{\sqrt{\alpha^2+\beta^2}} \right|$

(3) $\left| \frac{a\alpha+b\beta+\gamma}{\sqrt{\alpha^2+\beta^2}} \right|$

(4) $\left| \frac{a\alpha+b\beta+\gamma}{\sqrt{\alpha^2+b^2}} \right|$

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Sub-Section Number :

3

Sub-Section Id :

394484349

Question Shuffling Allowed :

Yes

Question Number : 141 Question Id : 3944843474 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత



The mean of the following frequency distribution is

ఈ క్రింది పౌనఃపున్య విభజనానికి సగటు

Class తరగతి	0-4	4-8	8-12	12-16	16-20
Frequency పౌనఃపున్యము	4	6	7	2	1

- (1) 6
- (2) 8
- (3) 10
- (4) 12

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 142 Question Id : 3944843475 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత

Which one of the following is NOT true?

ఈ క్రింది వాటిలో ఏది అసత్యము?

- (1) Mode is not affected by change of origin and scale.
మూల బిందువు, స్కేలు మార్పుద్వారా బాహుళకం ప్రభావితం కాదు.
- (2) Mean is affected by change of origin and scale.
మూల బిందువు, స్కేలు మార్పుల చే సగటు ప్రభావితం ఔతుంది.
- (3) Median is affected by change of origin and scale.
మూల బిందువు, స్కేలు మార్పుల చే మధ్యగతం ప్రభావితం ఔతుంది.
- (4) Standard deviation is not affected by change of origin and scale.
మూలబిందువు, స్కేలు మార్పులచే క్రమవిచలనం ప్రభావితం కాదు.

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 143 Question Id : 3944843476 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత

If the mean and Mode of a data are 97 and 100 respectively, then the Median is

ఒక దత్తాంశము యొక్క సగటు మరియు బాహుళికము వరుసగా 97 మరియు 100

అయితే ఆ దత్తాంశము యొక్క మధ్యగతము

(1) 97

(2) 98

(3) 99

(4) 101

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 144 Question Id : 3944843477 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత

The variance of 147, 149, 151, 153, ... , 183 is

147, 149, 151, 153, ... , 183 యొక్క విస్తృతి

(1) 120

(2) 90

(3) 60

(4) 30

Options :

1. ✔ 1

2. ✘ 2



3. ✖ 3

4. ✖ 4

Question Number : 145 Question Id : 3944843478 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత

The standard deviation of three consecutive integers is

మూడు వరుస పూర్ణాంకాల యొక్క క్రమ విచలనము

(1) $\sqrt{3}$

(2) $\sqrt{\frac{3}{2}}$

(3) $\sqrt{\frac{2}{3}}$

(4) $\sqrt{2}$

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 146 Question Id : 3944843479 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత



The rank correlation for the following data is

ఈ క్రింది దత్తాంశానికి కోటి సహసంబంధ గుణకం

X	2	4	5	6	8	11
Y	18	12	10	8	7	5

(1) -1

(2) 0.96

(3) 0.93

(4) 1

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 147 Question Id : 3944843480 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత



If A and B are events with $P(A) = 0.5$, $P(B) = 0.4$ and $P(A \cap B) = 0.3$, then the probability that neither A nor B occurs is

$P(A) = 0.5$, $P(B) = 0.4$, $P(A \cap B) = 0.3$ అయ్యేట్లు ఘటనలు A, B ఉంటే A, Bలు

రెండు జరగకపోవటానికి సంభావ్యత

(1) 0.4

(2) 0.6

(3) 0.5

(4) 0.3

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 148 Question Id : 3944843481 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత

A problem in statistics is given to three students A,B and C whose chances of solving it independently are $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$ respectively. The probability that exactly one of them is able to solve that problem is

సాంఖ్యిక శాస్త్రములో ఒక లెక్కను ముగ్గురు విద్యార్థులు A, B మరియు C స్వతంత్రంగా సాధించే అవకాశాలు వరుసగా $\frac{1}{2}$, $\frac{1}{3}$ మరియు $\frac{1}{4}$. అయితే, వారిలో ఒక్కరే ఖచ్చితంగా ఆ లెక్కను సాధించడానికి సంభావ్యత

(1) $\frac{11}{24}$

(2) $\frac{9}{24}$

(3) $\frac{7}{24}$

(4) $\frac{1}{4}$

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 149 Question Id : 3944843482 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత



In a simultaneous throw of two dice, the probability of getting a total of 10 or 11 is

రెండు పాచికలు ఒకే సారి దొర్లించినప్పుడు పాచికల ముఖాలపై మొత్తము 10 లేదా 11 అయ్యే సంభావ్యత

(1) $\frac{1}{4}$

(2) $\frac{5}{36}$

(3) $\frac{7}{12}$

(4) $\frac{1}{36}$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 150 Question Id : 3944843483 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statistical Ability

సాంఖ్యికశాస్త్ర సామర్థ్యత

If the letters of the word MINISTER are permuted at random, then the probability that all three vowels come together is

MINISTER అనే పదములో అక్షరాలను యాదృచ్ఛికంగా ఎంచుకుంటే అన్ని మూడు అచ్చులు కలిసి రావటానికి అయ్యే సంభావ్యత

(1) $\frac{3}{56}$

(2) $\frac{3}{28}$

(3) $\frac{3}{14}$

(4) $\frac{3}{7}$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Communication Ability

Section Id :	39448451
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	38
Number of Questions to be attempted :	38
Section Marks :	50
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	394484350
Question Shuffling Allowed :	Yes

Question Number : 151 Question Id : 3944843484 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Importune

- (1) Urge
- (2) Poor
- (3) Indecisive
- (4) Important

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 152 Question Id : 3944843485 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Mercurial

- (1) Forgetful
- (2) Changeable
- (3) Chemical
- (4) Weather

Options :

- 1. ✗ 1
- 2. ✓ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 153 Question Id : 3944843486 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Egress

- (1) Short cut
- (2) Entrance
- (3) Backwards
- (4) Exit

Options :



1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 154 Question Id : 3944843487 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Shambles

- (1) Bubble
- (2) Confusion
- (3) Trouble
- (4) Cuddle

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 155 Question Id : 3944843488 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Belligerent

- (1) Aggressive
- (2) Mournful
- (3) Longing
- (4) Cheerful

Options :

1. ✔ 1
2. ✘ 2
3. ✘ 3
4. ✘ 4

Question Number : 156 Question Id : 3944843489 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical



Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Circumvent

- (1) Encompass
- (2) Invent
- (3) Prevent
- (4) Convert

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Sub-Section Number : 2
Sub-Section Id : 394484351
Question Shuffling Allowed : Yes

Question Number : 157 Question Id : 3944843490 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

The ongoing festivities ____ the peace of the neighbourhood

- (1) Distracted
- (2) Deferred
- (3) Disturbed
- (4) Distressed

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 158 Question Id : 3944843491 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

Swarna has a _____ for science, while her brother is more interested in the arts.

- (1) Tenet
- (2) Geniality
- (3) Resonance
- (4) Penchant

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Question Number : 159 Question Id : 3944843492 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

He knows many languages. He is a _____ .

- (1) Polytheist
- (2) Polygamist
- (3) Polyphonist
- (4) Polyglot

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Question Number : 160 Question Id : 3944843493 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition



Netizens decried the _____ with which the government doctor treated the patients.

- (1) Compassion
- (2) Complaisance
- (3) Hunger
- (4) Callousness

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Sub-Section Number : 3
Sub-Section Id : 394484352
Question Shuffling Allowed : Yes

Question Number : 161 Question Id : 3944843494 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

A small piece of semiconductor used to carry integrated circuits is known as _____.

- (1) Micro computer
- (2) Microchip
- (3) Microdot
- (4) Microfilm

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 162 Question Id : 3944843495 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition



To obtain or retrieve information from a storage device is known as _____.

- (1) Access
- (2) Adapter
- (3) Add-on
- (4) Address

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 163 Question Id : 3944843496 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Inventor of daisy wheel printer is _____.

- (1) Andrew Marvel
- (2) Joseph Edison
- (3) William Caxton
- (4) David S Lee

Options :

- 1. ✗ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✓ 4

Question Number : 164 Question Id : 3944843497 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition



A socket on a computer into which an external device can be plugged in is known as _____.

- (1) Point
- (2) Port
- (3) Pointer
- (4) Post

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 165 Question Id : 3944843498 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

ASCII is expanded as _____.

- (1) Australian Standard Computing International Interchange
- (2) American Software Computer Interlining Interface
- (3) American Standard Code for Information Interchange
- (4) Automatic Standard Code for Information Initiative

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 166 Question Id : 3944843499 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Analysing and solving serious problem for a company or organisation is called _____.

- (1) Arbitrating
- (2) Trouble shooting
- (3) Trouble making
- (4) Mediating



Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 167 Question Id : 3944843500 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

Encryption is being used primarily with _____.

- (1) Transaction entry
- (2) Computer processing
- (3) Data communication
- (4) File retention.

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 168 Question Id : 3944843501 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

A Model in which one physical property is used to represent another physical property is known as _____

- (1) Analog Model
- (2) Deterministic Model
- (3) Iconic Model
- (4) Decision Theory Model

Options :

- 1. ✔ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 169 Question Id : 3944843502 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical



Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

_____ is not a peripheral of a computer.

- (1) Keyboard
- (2) CPU
- (3) Printer
- (4) Scanner

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 170 Question Id : 3944843503 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

_____ is a trade test.

- (1) Interview
- (2) Interest test
- (3) Aptitude test
- (4) Achievement test

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Sub-Section Number : 4
Sub-Section Id : 394484353
Question Shuffling Allowed : Yes

Question Number : 171 Question Id : 3944843504 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

A: After finishing your Marine Engineering degree course, what do you think you'll do?

B: It is difficult for me to answer for I'm quite at sea

In this conversation B implies that he is

- (1) Unwell
- (2) Displeased
- (3) Perplexed
- (4) In danger

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 172 Question Id : 3944843505 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

PT Usha bore away the gold medals in all track events.

The underlined phrasal verb means:

- (1) Sustained
- (2) Won
- (3) Missed
- (4) Narrowly missed

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 173 Question Id : 3944843506 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Our new office is equipped with all the latest gadgets. What is the meaning of 'equip with' ?

- (1) provide
- (2) get rid of
- (3) spoil
- (4) tamper

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 174 Question Id : 3944843507 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

A: The people in the organisation were bent upon exhibiting their superiority.

B: Multiplicity of leadership gives way to decline.

A: True, too many cooks spoil the broth.

'A' means that

- (1) There should not be more than one cook in the kitchen
- (2) Many cooks made better gruel
- (3) No organisation can afford too many bosses
- (4) An organisation thrives on contrary opinions

Options :

- 1. ✗ 1
- 2. ✗ 2
- 3. ✓ 3
- 4. ✗ 4

Question Number : 175 Question Id : 3944843508 Question Type : MCQ Option Shuffling : No Display



Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

With Ramana's new venture failing completely, he is down in the dumps.

The underlined expression means, Ramana

- (1) Fell from grace
- (2) Packed up
- (3) Is bed-ridden
- (4) Appeared miserable

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 176 Question Id : 3944843509 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

A rough and clumsy person is considered

- (1) A horse in a French shop
- (2) A dog in the mall
- (3) An elephant in a German store
- (4) A bull in a China shop

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Question Number : 177 Question Id : 3944843510 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

The authorities took him to task for his negligence.

The underlined expression means

- (1) Reprimanded him
- (2) Forced him to resign
- (3) Gave him additional work
- (4) Suspended his assignment

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Sub-Section Number :

5

Sub-Section Id :

394484354

Question Shuffling Allowed :

Yes

Question Number : 178 Question Id : 3944843511 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

He has been writing a letter _____ three hours.

- (1) Since
- (2) By
- (3) For
- (4) At

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 179 Question Id : 3944843512 Question Type : MCQ Option Shuffling : No Display

Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

I will go home _____ the end of the movie

- (1) In
- (2) At
- (3) On
- (4) About

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 180 Question Id : 3944843513 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

The noise interferes _____ my work

- (1) With
- (2) At
- (3) In
- (4) On

Options :

- 1. ✔ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 181 Question Id : 3944843514 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

I saw him as I _____ down the lane

- (1) Go
- (2) Going
- (3) Was going
- (4) Is going

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 182 Question Id : 3944843515 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

He seems to be _____. I saw him in an expensive suit.

- (1) Better off
- (2) Well of
- (3) Best off
- (4) Well off

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Question Number : 183 Question Id : 3944843516 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

He has _____ as CEO of the organization very recently

- (1) Taken off
- (2) Taken over
- (3) Taken up
- (4) Taken in



Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Question Number : 184 Question Id : 3944843517 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

Thanks to the good food in hostel. Raju _____ some weight.

- (1) Put on
- (2) Put up
- (3) Put up with
- (4) Put down

Options :

1. ✔ 1
2. ✘ 2
3. ✘ 3
4. ✘ 4

Question Number : 185 Question Id : 3944843518 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb /
Preposition

We _____ the matter for an hour but without any result.

- (1) Talked out of
- (2) Talked over
- (3) Talked back
- (4) Talked down

Options :

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

Sub-Section Number :

6

Sub-Section Id :

394484355

Question Shuffling Allowed :

Yes

Question Id : 3944843519 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (186 to 190)

Read the following passage and answer questions

Patriotism is a very complex feeling, built up out of primitive instincts and highly intellectual convictions. There is love of home, family and friends, making us peculiarly anxious to preserve our own country from invasion. There is the mild instinctive liking for compatriots as against foreigners. There is pride which is bound up with the success of community to which we feel that we belong. There is a belief, suggested by pride but reinforced by history that one's own nation represents a great tradition and stands for ideals that are important for human race. But besides all these, there is another element, at once nobler and more open to attack, an element of worship, of willing sacrifice, of joyful merging of the individual life with the life of the nation. This religious element in patriotism is essential to the strength of the State since it enlists the best that is in most men on the side of national sacrifice.

Sub questions

Question Number : 186 Question Id : 3944843520 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

We try to protect our country because?

- (1) We love our home, family and friends
- (2) We love outsiders
- (3) We love outsiders as much as we love ourselves
- (4) We think outsiders as our own

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 187 Question Id : 3944843521 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



The word 'compatriot' means

- (1) Fellow countrymen
- (2) Fellow human beings
- (3) Fellow villagers
- (4) Fellow townsmen

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 188 Question Id : 3944843522 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Which of the following statements about patriotism is false according to the passage?

- (1) It is a noble belief
- (2) It expects sacrifice
- (3) It is an invulnerable idea
- (4) It is essential for the strength of the State

Options :

- 1. ✗ 1
- 2. ✗ 2
- 3. ✓ 3
- 4. ✗ 4

Question Number : 189 Question Id : 3944843523 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The attitudes of the speaker of the passage is?

- (1) Satirical
- (2) Analytical
- (3) Persuasive
- (4) Disapproving

Options :

- 1. ✗ 1
- 2. ✓ 2
- 3. ✗ 3
- 4. ✗ 4



Question Number : 190 Question Id : 3944843524 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Which of the following statements is false?

- (1) We often like our countrymen than others.
- (2) There is a religious element in patriotism.
- (3) Our patriotism is directly linked to the success of our country.
- (4) We believe that all nations epitomize ideals that are important for human race.

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

Sub-Section Number : 7
Sub-Section Id : 394484356
Question Shuffling Allowed : Yes

Question Id : 3944843525 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group
Comprehension Questions : No
Question Numbers : (191 to 195)

Read the following passage and answer questions

A Study found that music therapy sessions have a positive effect on the neurorehabilitation of acute stroke patients. The research was carried out on a 26-bed stroke and rehabilitation unit at a hospital in the UK. In total, 177 patients took part in 675 Neurologic Music Therapy (NMT) sessions over a two-year period. According to the researchers, music therapy is understood to help stroke patients through mood regulation, improved concentration, and promoting changes in the brain to improve function, known as neural reorganisation. Lots of repetition or “massed practice”, is central to neurorehabilitation. In addition to playing physical instruments (keyboard, drums and hand-held percussion), touch screen instruments were used in the trial to help patients with hand rehabilitation, through improving finger dexterity, and cognitive training.

NMT sessions were run alongside existing stroke rehabilitation treatment, including physiotherapy, occupational therapy, speech therapy, and clinical psychology. Of the 139 patients, relatives and hospital staff who completed mood-scale questionnaires, the average response was that NMT was helpful or very helpful. And of the 52 patients who completed mood-scale questionnaires, there was a reduction in sadness and an increase in happy responses immediately following a session. Speech and language therapists observed a positive impact on patient engagement and reported that it may help patients overcome low mood and fatigue – both common following stroke – and therefore be beneficial for their rehabilitation.

“The fact 675 sessions were carried out in two years is in itself an indication of the success of the treatment. It shows that staff are referring patients because they understand the mechanisms of the exercise and can see how it can benefit their patients. It also shows that patients are willing to do the exercises, with each one participating in an average of five sessions”, a researcher said.

Sub questions

Question Number : 191 Question Id : 3944843526 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

What was the duration of the research experiment?

- (1) 26 weeks
- (2) One year and eight months
- (3) Two years
- (4) Five years

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 192 Question Id : 3944843527 Question Type : MCQ Option Shuffling : No Display



Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

How many sessions of the therapy were carried out?

- (1) 52
- (2) 675
- (3) 177
- (4) 139

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 193 Question Id : 3944843528 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

What is central to the rehabilitation process?

- (1) Repetition
- (2) Mood swings
- (3) Happy responses
- (4) Finger dexterity

Options :

- 1. ✔ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 194 Question Id : 3944843529 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

How many patients respond to the mood-scale questionnaires?

- (1) 177
- (2) 26
- (3) 139
- (4) 52

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3

4. ✓ 4



Question Number : 195 Question Id : 3944843530 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Which fact is not mentioned as evidence of the success of the research?

- (1) More patients were being referred
- (2) More patients were willing to do the exercises
- (3) Each patient did the exercises without fatigue
- (4) Each patient took part in an average of 5 sessions

Options :

- 1. ✗ 1
- 2. ✗ 2
- 3. ✓ 3
- 4. ✗ 4

Sub-Section Number : 8
Sub-Section Id : 394484357
Question Shuffling Allowed : Yes

Question Id : 3944843531 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group
Comprehension Questions : No
Question Numbers : (196 to 200)

Read the following passage and answer questions

Thailand brings to mind turquoise blue waters, highest landscapes, and thriving wildlife. My journey began at Don Muong airport as I took the flight to Phuket.

The first day had me travelling to Big Buddha, one of the revered landmarks on the island. It sits atop a hill and is a 45-meter-tall white marble statue of Buddha. Driving up hill I came across an elephant safari and opted not to do the ride for ethical reasons but you could go feed the elephants, play with them and that truly was out of the world. The elephants were tamed and did the sweetest actions like kissing the tourists, asking for food and I would like to believe that they did it of their own accord. The elephant I met was called Anda and he was a baby, terribly cute and his mannerisms were unlike any animals I have seen. The route is dotted with many cafes that have a spectacular view of the ocean and a nice mocktail coupled with the cold breeze and the sounds of waves was a beautiful way to spend the afternoon.

Phuket was all about exploring beaches and the best part is that it is so close to the many other islands that are just a boat trip away. I decided to go on an island-hopping adventure and took a speed boat to the first island, Panak. In one of the many islands on Phang Nga Bay the resort owner told me that the experience would be like no other.

The island had limestone formations and looked absolutely stunning. We had to take a look at the island from the boat. As the boat went close to the rocks, I observed something moving in the water, it jumped back on to the rock. It was a monkey. The island had monkeys around that very simply jumped into the water, swam and come back on the rocks. For someone who encountered monkeys in the wild as notorious little animals that mostly live on trees, this was pretty fascinating. It wasn't the monkeys but the landscape they lived in that had us, many Indians included, in awe.

Sub questions

Question Number : 196 Question Id : 3944843532 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

What was the name of the first island on the island-hopping trip?

- (1) Phuket
- (2) Don Muong
- (3) Phang Nga
- (4) Panak

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

Question Number : 197 Question Id : 3944843533 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



Where, according to the writer, should one spend one's afternoons?

- (1) In a boat
- (2) At a café
- (3) On a hill
- (4) At the beach

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 198 Question Id : 3944843534 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

What was the Big Buddha made of?

- (1) Marble
- (2) Stone
- (3) Metal
- (4) Wood

Options :

- 1. ✔ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 199 Question Id : 3944843535 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The unusual feature the writer noticed during the boat trip was _____

- (1) Man-made rock formations
- (2) People on peaceful beaches
- (3) Monkeys
- (4) Colourful view of the ocean

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3



4. ✘ 4

Question Number : 200 Question Id : 3944843536 Question Type : MCQ Option Shuffling : No Display
Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Why did the writer decide not to undertake the elephant ride?

- (1) The writer preferred to stay far away from all animals
- (2) The writer played with them from a distance
- (3) The writer wanted to watch the tourists feeding them
- (4) The writer did not approve of the taming of the elephants

Options :

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

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