Notations:
1. Options shown in green color and with ✔ icon are correct.
2. Options shown in red color and with ✗ icon are incorrect.
Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

1. Let $p$ and $q$ be positive integers. What is the number of positive divisors of $p$?

\[ p = q^{10} \]

I. $p = q^{10}$

II. $q$ is a prime number.

$q$ ఎంత పిడయుందుంది?
Options:
1. ** 1
2. ** 2
3. ✓ 3
4. ** 4

Question Number : 2  Question Id : 6672694572  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0
Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

If $p$ and $q$ are positive integers whose product is 72, then what is the value of $p + q$?

If 72 అంచనాలు $p$ మరియు $q$ వంటి మూలక సంఖ్యాలు, అతనే $p + q$ చెఫింగు?

I. $p > q$
II. $|p - q| = 1$
Options:

1. ✶ 1
2. ✔ 2
3. ✶ 3
4. ✶ 4

Question Number: 3  Question Id: 6672694573  Question Type: MCQ  Option Shuffling: No  Display Question Number: Yes  Single Line Question Option: No  Option Orientation: Vertical  Correct Marks: 1  Wrong Marks: 0
Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

If \( n \) and \( m \) are integers, is \( n > m \)?

\( n \) చెప్పింది, \( m \) ఎంటి ఒక సమాధానాన్ని, \( n > m \) అనుమానం?

I. \( 3n + 2m = 11 \)
II. \( n - m = 1 \)

Options:
1. * 1
(i) Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

Is the positive integer \(n\) divisible by 35?

\(n\) యుస్తే 35 వంటి వాటికి వాటానికి?

I. 15 divides \(n\).

\(n\) యుస్తే 15 వంటి.

II. 28 divides \(n\).

\(n\) యుస్తే 28 వంటి.
Options:
1. ✗ 1
2. ✗ 2
3. ✔ 3
4. ✗ 4

Question Number : 5  Question Id : 6672694575  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
(i) Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

What is the value of $\sin \theta + \cos \theta$?

$\sin \theta + \cos \theta$ ఎంటుందా ఉంటుంది?

I. $\sin 2\theta = \frac{1}{2}$

II. $\csc \theta + \sec \theta = 5$

Options:
1. * 1
2. * 2
(i) **Data Sufficiency**

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

In the triangle $PQR$, what is the length of the side $QR$?

$PQ$ మరియు $QR$ తీత ఉంది?

I. $PQ = 8\text{ cm}$, $PR = 5\text{ cm}$

II. Area of the triangle $PQR = 10\text{ sq.cm}$.

$PQR$ ఆయామం $10\text{ చదుపాము}$.
Question Number : 7  Question Id : 6672694577  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
(i) **Data Sufficiency**

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

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How much is the loss percent?

**మిటి హాసువు ఎక్కువ?**

I. The loss is 20% of the selling price.

II. The cost price is Rs. 250.

Options:

1.  

---

*Note: The text contains a mix of English and Telugu, and the options are marked with a star symbol.*
2. ✗ 2
3. ✔ 3
4. ✗ 4

Question Number : 8  Question Id : 6672694578  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes
Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0
(i) Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

If \( n \) is an integer and \( 10 < n < 100 \), then what is \( n \)?

\( n \) \( \) is an integer and \( 10 < n < 100 \). What is \( n \)?

I. The sum of the digits in \( n \) is 12.

\( n \) య అతిరిక్త ఎత్తు 12.

II. One digit in \( n \) is 3 times the other.

\( n \) య ఒక ఎత్తు 3 గంటాల ఒక ఎత్తు యొక్క మూడు. 
Options:

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

Question Number: 9  Question Id: 6672694579  Question Type: MCQ  Option Shuffling: No  Display Question Number: Yes
Single Line Question Option: No  Option Orientation: Vertical
Correct Marks: 1  Wrong Marks: 0
(i) **Data Sufficiency**

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

For two sets $A$ and $B$, what is $n(A \cap B)$?

అనుసభం అంటే $A$ అంటే $B$ అంటే, $n(A \cap B)$ ఎంత?

**I.**

$n(A) = 10$ and $n(B \setminus A) = 9$.

$n(A) = 10$ అంటే $n(B \setminus A) = 9$.

**II.**

$n(A \setminus B) = 7$, $n(B \setminus A) = 9$ and $n(A \cup B) = 19$.

$n(A \setminus B) = 7$, $n(B \setminus A) = 9$ అంటే $n(A \cup B) = 19$. 
Options:

1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4

Question Number: 10  Question Id: 6672694580  Question Type: MCQ  Option Shuffling: No  Display Question Number: Yes  Single Line Question Option: No  Option Orientation: Vertical  Correct Marks: 1  Wrong Marks: 0
Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

What percent of 16 is x?

16 నకు x మంది ఎగువ ఉంది?

I. 200 percent of x is less than 1.
   x నుండి 200 కంతం 1 నుంచి ఉండేది.

II. x is 5 percent of 10.
    10 నుండి 5 కంతం ఉంది x.
Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

What is the value of $x^2 - y^2$?

$x^2 - y^2$ ఎంతగా ఉంది?

I. $(x-2018)^2 + (y+2019)^2 = 0$

II. $(x+2018)^2 - (y-2019) = 0$

Options:
1. ✓ 1
2. ✗ 2
3. 3
4. 4
(i) Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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.
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(c) Mark choice (3) if both the statements I and II are sufficient to answer the question but neither statements 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.

What is the value of \( x \)?

\[ x \text{ మీదుకు ఎడారు?} \]

I. \( 3^{48} = x \, (\text{mod} \, 10) \)

II. \( 0 \leq x \leq 9 \)

Options:
1. ✅ 1
2. ✗ 2
3. * 3
4. * 4

Question Number: 13  Question Id: 6672694583  Question Type: MCQ  Option Shuffling: No  Display Question Number: Yes  Single Line Question Option: No  Option Orientation: Vertical
Correct Marks: 1  Wrong Marks: 0
Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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.
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(c) Mark choice (3) if both the statements I and II are sufficient to answer the question but neither statements 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.

Will B take more than 9 hours to complete the job alone?

I. A works faster than B.

B కండ్లో A హేతుగా బంగారం.

II. A and B can together finish the job in 6 hours.

A మరోకు B కండ్లో 6 జప్పులలో పనిచేసుకోవడం లాభం.

A మరోకు B కండ్లో 6 జప్పులలో పనిచేసుకోవడం లాభం.
(i) **Data Sufficiency**

**మార్గాలు పరిశీలన**

**Note:** In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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:

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(d) Mark choice (4) if both the statements I and II together are not sufficient to answer the question and additional data is required.

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What is the area of the rhombus?

హోమ్ఫస్ యిందే పరిమితి ఎంత?

I. Each of its sides is 120 cm.

వైషింది పైలింది 120 సెమీ.

II. Each of its opposite angles are 60°.

వైషింది ప్రత్యేక పస్టిక కోణాలు 60°.
Options:
1. ✗ 1
2. ✗ 2
3. ✔ 3
4. ✗ 4

Question Number : 15  Question Id : 6672694585  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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.
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(d) Mark choice (4) if both the statements I and II together are not sufficient to answer the question and additional data is required.

In the figure given below, what is the value of $\alpha + \beta + \gamma + \delta$?

What is the value of $\alpha + \beta + \gamma + \delta$?

I. $\alpha + \beta = \gamma + \delta$
II. $\theta + \phi = 90^\circ$
Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✔ 4

Correct Marks : 1  Wrong Marks : 0
Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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:

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(d) Mark choice (4) if both the statements I and II together are not sufficient to answer the question and additional data is required.

What is the day of the week was 31st December of that year?

ఒక దినానే దినం 31 సాయం స్వీకరించండి?

I. In that year the first of March was Monday.
ఒక సాయం మార్చి 1 అత జరుపుదినున్నది.

II. That year was a leap year.
ఒక సాయం అంటుంది గూడపాల సాయం.
Options:
1. ✔️ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number: 17  Question Id: 6672694587  Question Type: MCQ  Option Shuffling: No  Display Question Number: Yes  Single Line Question Option: No  Option Orientation: Vertical  Correct Marks: 1  Wrong Marks: 0
(i) **Data Sufficiency**

**పరిమితను విషయం**

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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.
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(d) Mark choice (4) if both the statements I and II together are not sufficient to answer the question and additional data is required.

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A, B, C, D and E are sitting around a circular table facing the centre.

Who is sitting to the immediate left of C?

**A, B, C, D మరియు E నుండి సమీపంలో ప్రస్తుతం వెనుకబడిన వైపులను వాడలేదు.**

**C నుండి ప్రస్తుతం వెనుకబడిన వైపు కాండమే?**

I. Only A is between E and B.

\[ E \text{ నుండి } B \text{ వైపు యొక్క } A \text{ కాండమే.} \]

II. D is to the immediate left of B.

\[ B \text{ నుండి ప్రస్తుతం వెనుకబడిన } D \text{ కాండమే.} \]
(i) Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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:

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(c) Mark choice (3) if both the statements I and II are sufficient to answer the question but neither statements 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.

What is the area of the sector $A$ of the circle?

What is the area of the sector $A$ of the circle?

I. The sector $A$ makes an angle $60^\circ$ at the centre.

II. Length of the arc of the sector $A$ is $\frac{110}{21}$ cm.
Options:
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 19  Question Id : 6672694589  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes
Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0
(i) Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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 statements 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.

What is the area of the right angled triangle?

What is the area of the right angled triangle?

I. Its longest side is 6 cms.
   
II. One of its angle is 45°.
Options:
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number: 20  Question Id: 6672694590  Question Type: MCQ  Option Shuffling: No  Display Question Number: Yes
Single Line Question Option: No  Option Orientation: Vertical
Correct Marks: 1  Wrong Marks: 0
(i) Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labeled 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.
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(c) Mark choice (3) if both the statements I and II are sufficient to answer the question but neither statements 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.

What is the value of $8a^3 + b^3 - 27c^3$?

$8a^3 + b^3 - 27c^3$ ఎండు ఎంతారంభం?

I. $abc = 10$
II. $2a + b = 3c$

Options:

1. **1
(i) **Problem Solving**

(a) **Sequence and Series**

Note: In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

100 : 111 :: 144 : ______

1. 156
2. 149
3. 154
4. 157

Options:
1. * 1
2. * 2
3. * 3
4. ✅ 4
(i) Problem Solving

(a) Sequence and Series

అంకేకరం, సిమేట్

Note: In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

సమస్య: నిశాచరితంగా అభివృద్ధి చేసే కష్టాన్ని అందించడానికి కావలసిన అంకులను పట్టిక చేసి మొదటి అక్షరాన్ని మార్గం అంకులను పెంచండి.

182 : _____ : : 210 : 380

(1) 156
(2) 240
(3) 272
(4) 342

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✔️ 4
(i) Problem Solving

(a) Sequence and Series

Note: In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

衢巋: 21 ముందు 30 వరకు వాటి పదార్థాలు మరియు వంటివి లు ప్రకారం లేదా కాదు ఇవరు కాదు యొక్క

సంఖ్యల ప్రకారం నాను సంఖ్యలు లంచి వాటి ప్రకారం వంటివి లు ప్రకారం ఆ రోజు లేదా ఎన్ని రోజు లేదా

అంకెలను సంఖ్యల ప్రకారం అంకెలను సంఖ్యల ప్రకారం ఎన్ని రోజు లేదా 

_______ : 122 : : 168 : 290

(1) 43
(2) 48
(3) 50
(4) 49

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4
(i) Problem Solving

(a) Sequence and Series

Note: In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

12 : 132 :: 14 : ________

(1) 182
(2) 172
(3) 184
(4) 174

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
(i) Problem Solving

(a) Sequence and Series

Note: In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

12 : 1872 :: ________ : 2366

(1) 14
(2) 18
(3) 13
(4) 16

Options:

1. * 1
2. * 2
3. ✓ 3
4. * 4

Correct Marks : 1 Wrong Marks : 0
(i) **Problem Solving**

(a) **Sequence and Series**

**Note:** In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

**Question:**

```
corden : zrogbq : : __________ : pxiro
```

(1) mulmul  
(2) sulsul  
(3) munmun  
(4) srspql

**Options:**
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4
(i) **Problem Solving**

(a) **Sequence and Series**

**Note:** In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

**COUNSEL : BITIRAK : GUIDANCE : __________

(1) **EOHYZKBB**
(2) **FOHYZJBB**
(3) **FPHZZKAB**
(4) **HOHYBJBA**

**Options :**

1. * 1
2. ✔ 2
3. * 3
4. * 4
(i) Problem Solving

(a) Sequence and Series

Note: In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

D × I : 19 × 9 : : K × F : ___________

(1) 5 × 15
(2) 15 × 5
(3) 16 × 21
(4) 21 × 16

Options :
1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
(i) Problem Solving

(a) Sequence and Series

Note: In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

3 : 13 : : 17 : ____________

(1) 29
(2) 23
(3) 37
(4) 31

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4
(i) **Problem Solving**

(a) **Sequence and Series**

Note: In each of the questions numbered 21 to 30, a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

1331 : 11 : : __________ : 22

1. 3432
2. 4234
3. 6324
4. 10648

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

**Sub-Section Number:** 3
**Sub-Section Id:** 667269463
**Question Shuffling Allowed:** Yes

**Question Number:** 31  **Question Id:** 6672694601  **Question Type:** MCQ  **Option Shuffling:** No  **Display Question Number:** Yes  **Single Line Question Option:** No  **Option Orientation:** Vertical

**Correct Marks:** 1  **Wrong Marks:** 0
Note: In questions numbered 31 to 35 pick the odd thing out:

(1) Mist
(2) Cloud
(3) Vapour
(4) Rain

Options:

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✔ 4
Note: In questions numbered 31 to 35 pick the odd thing out:

గాలయి: 31 క్యావు 35 వరకు అంతా విషయంలో గభూర్ణం చేసుకోండా ఉండాలి.
Note: In questions numbered 31 to 35 pick the odd thing out:

(1) Tiger
(2) Deer
(3) Lion
(4) Fox

Options:
1. ** 1
2. ✓ 2
3. ** 3
4. ** 4

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

(1) Tiger
(2) Deer
(3) Lion
(4) Fox

Options:
1. ** 1
2. ✓ 2
3. ** 3
4. ** 4
Note: In questions numbered 31 to 35 pick the odd thing out:

గమనం: 31 నంబర్ వరకు వాటిని కేబలుగా చూపండి.

(1) $x^2 - 0.2x + 0.01$
(2) $x^2 + 2x + 1$
(3) $x^2 + 6x + 9$
(4) $x^2 - 2x + 2$

Options:
1. * 1
2. * 2
3. * 3
4. ✔ 4

Sub-Section Number: 4
Sub-Section Id: 667269464
Question Shuffling Allowed: Yes
Question Number: 36  Question Id: 6672694606  Question Type: MCQ  Option Shuffling: No  Display Question Number: Yes
Single Line Question Option: No  Option Orientation: Vertical
Correct Marks: 1  Wrong Marks: 0

Note: Each of the questions from 36 to 45 follow a definite pattern.
Observe the same and fill in the blanks with suitable answers.

గమనం: 36 నంబర్ వరకు వాటిని కేబలుగా చూపండి.

6, 10, 18, 30, 46, 66, ________

(1) 94
(2) 86
(3) 80
(4) 90
Each of the questions from 36 to 45 follow a definite pattern.
Observe the same and fill in the blanks with suitable answers.

\[ 11 \frac{1}{9}, \quad 12 \frac{1}{2}, \quad \underline{\quad}, \quad 16 \frac{2}{3}, \quad 20 \]

(1) \quad 13 \frac{6}{7}
(2) \quad 14 \frac{1}{7}
(3) \quad 14 \frac{2}{7}
(4) \quad 13 \frac{1}{8}
Note: Each of the questions from 36 to 45 follow a definite pattern. Observe the same and fill in the blanks with suitable answers.

विविधता:

36 माहि 45 दिनी तक वर्षभर कुल्ली 6 शहरात केली गेली. उत्तरांनी,

विविधता करून 6 शहरातील चार शहरांची नावे हे उत्तर मिळावावेत.

E, G, K, ________, Q, S, ________

(1) M, W
(2) M, U
(3) L, W
(4) N, U

Options:

1. ✅ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 39 Question Id : 6672694609 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0
Each of the questions from 36 to 45 follow a definite pattern. Observe the same and fill in the blanks with suitable answers.

768921350, 68921350, 6892135, 892135, _______________

(1) 92135
(2) 89215
(3) 89213
(4) 82135
Note: Each of the questions from 36 to 45 follow a definite pattern. Observe the same and fill in the blanks with suitable answers.

11. 30, 128, 346, __________

(1) 1221
(2) 1331
(3) 1224
(4) 1334

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Correct Marks: 1 Wrong Marks: 0
Note: Each of the questions from 36 to 45 follow a definite pattern. Observe the same and fill in the blanks with suitable answers.

11. 22, 35, 50, 67, ___________

(1) 88
(2) 84
(3) 86
(4) 82

Options:
1. * 1
2. ** 2
3. ✓ 3
4. * 4

Question Number: 42  Question Id: 6672694612  Question Type: MCQ  Option Shuffling: No  Display Question Number: Yes  Single Line Question Option: No  Option Orientation: Vertical  Correct Marks: 1  Wrong Marks: 0

Note: Each of the questions from 36 to 45 follow a definite pattern. Observe the same and fill in the blanks with suitable answers.

18, 20, 17, 21, 16, 22, 15, ____________

(1) 23
(2) 24
(3) 26
(4) 25
Note: Each of the questions from 36 to 45 follow a definite pattern. Observe the same and fill in the blanks with suitable answers.

Options:

1. \( \frac{1}{5}, \frac{1}{6}, \frac{1}{7} \)
2. \( \frac{1}{8}, \frac{1}{11}, \frac{1}{14} \)
3. \( \frac{1}{17}, \frac{1}{22}, \frac{1}{27} \)

Options:

1. \( \frac{1}{29}, \frac{1}{34}, \frac{1}{39} \)
2. \( \frac{1}{28}, \frac{1}{36}, \frac{1}{43} \)
3. \( \frac{1}{32}, \frac{1}{38}, \frac{1}{46} \)
4. \( \frac{1}{32}, \frac{1}{39}, \frac{1}{46} \)
Note: Each of the questions from 36 to 45 follow a definite pattern. Observe the same and fill in the blanks with suitable answers.

36 మధ్య 45 వరకు డిఫెరెంట్ కంటెన్ట్ల పంటందు భాషలు ఉంటాయి. అందుకే గణాంకాలు తమ్ముడి సాధనాలను ఉపయోగించండి.

\[(a+b), (a^2 - b^2), (a+b)^2 (a-b), (a^2 - b^2)^2, (a+b)^3 (a-b)^2, \text{ ________________} \]

(1) \((a^2-b^2)^3\)
(2) \((a^2-b^2)^2\)
(3) \((a^2-b)^3\)
(4) \((a-b)^3 (a+b)^2\)

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 45  Question Id : 6672694615  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
Note: Each of the questions from 36 to 45 follow a definite pattern. Observe the same and fill in the blanks with suitable answers.

Options:

1. L Q U
2. M P U
3. M Q V
4. M Q U

Sub-Section Number: 5
Sub-Section Id: 667269465
Question Shuffling Allowed: Yes
Question Numbers: (46 to 48)

Question Id: 6672694616  Question Type: COMPREHENSION  Sub Question Shuffling Allowed: Yes  Group Comprehension
Questions: No
Data Analysis

Study the following table carefully and answer the questions 46, 47 and 48. The numbers given in the table represent the number of students from various schools playing different games.

<table>
<thead>
<tr>
<th>Schools</th>
<th>Games</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foot ball</td>
<td></td>
<td>125</td>
<td>250</td>
<td>100</td>
<td>175</td>
<td>250</td>
</tr>
<tr>
<td>Basket ball</td>
<td></td>
<td>175</td>
<td>200</td>
<td>195</td>
<td>245</td>
<td>225</td>
</tr>
<tr>
<td>Cricket</td>
<td></td>
<td>250</td>
<td>200</td>
<td>225</td>
<td>215</td>
<td>200</td>
</tr>
<tr>
<td>Tennis</td>
<td></td>
<td>240</td>
<td>210</td>
<td>200</td>
<td>130</td>
<td>165</td>
</tr>
<tr>
<td>Badminton</td>
<td></td>
<td>75</td>
<td>125</td>
<td>55</td>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

Sub questions

Question Number : 46  Question Id : 6672694617  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
If 20% of the students playing football from school ‘A’ also play Badminton, then the total number of students playing Badminton from School ‘A’ is.

(1) 120
(2) 95
(3) 100
(4) 110

Options:
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

The number of students playing Basketball from School ‘C’ is approximately what percent of the number of students playing basketball from School ‘E’?

(1) 70%
(2) 75%
(3) 87%
(4) 94%

Options:
1. ✗ 1
2. ✗ 2
3. ✓ 3
The difference between the average number of students playing all the games from school ‘B’ and the number of students playing badminton from that school is:

(1) 72  
(2) 69  
(3) 65  
(4) 78

Options:
1. ✔️ 1  
2. ❌ 2  
3. ❌ 3  
4. ❌ 4

Sub-Section Number: 6  
Sub-Section Id: 667269466  
Question Shuffling Allowed: Yes
The Pie chart given below shows the percentage-wise break up of students studying various specializations A, B, C, D, E and F in M.B.A. course in a university. The total number of students who took admission in MBA in that university is 8000. Study the chart carefully and answer the questions 49 to 53 given below.

The total number of students studying the specializations in C, D and F is

C, D మరియు F ప్రత్యేక ప్రాంతాలు ఎంతగణనం స్థాపించబడిన కోసం మందం స్థాపి కోసం

(1) 4080
(2) 3840
(3) 4000
(4) 4240

Options:
1. ☒ 1
2. ☒ 2
3. ☒ 3
4. ☒ 4
Question Number : 50  Question Id : 6672694622  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

Students studying B as specialization forms approximately what percent of students studying A as specialization?

B అనే ప్రాముఖ్యత వహిస్తుంది. A అనే ప్రాముఖ్యత వహిస్తుంది

విభాగానికి మందం?

(1)  84
(2)  83
(3)  82
(4)  85

Options :
1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

---

Question Number : 51  Question Id : 6672694623  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

The total number of students studying E as specialization.

E అనే ప్రాముఖ్యత వహిస్తుంది

(1)  1760
(2)  1520
(3)  1280
(4)  1360

Options :
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4
The ratio of the students studying C as specialization to students studying F as specialization is.

(1) 4 : 7  
(2) 6 : 7  
(3) 11 : 19  
(4) 18 : 13

Options:
1. ✗ 1  
2. ✔ 2  
3. ✗ 3  
4. ✗ 4

If \( x : y \) represent the ratio of the number of students studying F and C to the number of students studying D, then \( x - y = \)

\( x : y \) ఎగ్జియం యెమము \( C \) ఎగ్జియం లంగో పోలుంది, \( D \) ఎగ్జియం లంగో పోలుంది

మాత్రమే లంగో పోలుంది, అందువల్ల \( x - y = \)

(1) \( \frac{1}{15} \)  
(2) \( \frac{2}{17} \)  
(3) \( \frac{1}{11} \)  
(4) \( \frac{3}{14} \)

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options:
1. 1  
2. 2
Note: Study the following data and answer questions 54 & 55.

“In a study of 1500 rivers the following data were reported: 520 rivers were polluted by sulphur compounds, 335 were polluted by phosphates, 425 were polluted by crude oil, 100 were polluted by both crude oil and sulphur compounds; 180 were polluted by both sulphur compounds and phosphates; 150 were polluted by both phosphates and crude oil and 28 were polluted by sulphur compounds, phosphates and crude oil.”

The number of the rivers polluted by at least one of the three impurities is

(1) 878
(2) 359
(3) 781
(4) 504

Options:

1. ✓ 1
The number of the rivers polluted by exactly one of the three impurities is

(1) 504
(2) 878
(3) 492
(4) 638

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
Coding and Decoding Problems

Direction for Questions 56 to 60

In a certain code, the $r^{th}$ letter of the English alphabet is coded as $r + 10 (= \text{mod } 26)^{th}$ letter cyclically. For example, 4th letter $D$ is coded as 14th letter $N$ and 24th letter $X$ is coded as 8th letter $H$ (because $r + 10 (= \text{mod } 26)$). The reverse process is used for decoding. Basing on this coding and decoding, answer questions 56 to 60.

56 విషయాల రిసమయం కోసం ప్రశ్నలు

దశ మాయితే, ఏడు శాస్త్రానికి హంగస్త నామం $r$- కు సహా నుండి, $r + 10 (= \text{mod } 26)^{th}$

నామం విస్తరించిన దశ మాయితే నామం రిసమయం. అదేవిధంగా 4వ నామం $D$ మరియు 14వ నామం $N$ మరియు 24వ

హంస మాయితే $X$ మరియు 8వ నామం $H$ నామం విస్తరించిన దశ మాయితే (అదేవిధంగా $r + 10 (= \text{mod } 26)$ దశ మాయితే).

దశ మాయితే నామం నామం విస్తరించిన దశ మాయితే విస్తరించిన దశ మాయితే 56 విషయాల రిసమయం కోసం ప్రశ్నలు నమోదు చేయబడిను.

Sub questions

Question Number : 56  Question Id : 6672694630  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes
Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0

‘ARMY’ is coded as

‘ARMY’ గురించి చరిత్ర వివరణలేదు.

(1)  K B W H
(2)  K B W J
(3)  K B V I
(4)  K B W I

Options :

1.  **1**
2.  **2**
‘SEVEN’ is coded as
‘SEVEN’ ಎಂಬುದನ್ನು ಕನ್ನಡದಲ್ಲಿ ಎಂಬುದು ಎಂದು ಹೆಸರಿಸಲಾಗುತ್ತದೆ.

(1) COFOY
(2) COGOY
(3) COFOX
(4) COEOX

Options :
1. ✗ 1
2. ✗ 2
3. ✔ 3
4. ✔ 4

Which word is coded as ‘MYVN’?
ಮೈವಿನ್ ‘MYVN’ ಎಂಬುದನ್ನು ಎಂದು ಹೆಸರಿಸಲಾಗುತ್ತದೆ?

(1) COIN
(2) BOLD
(3) COLD
(4) COME

Options :
1. ✗ 1
2. ✗ 2
3. ✔ 3
4. ✔ 4
The code for ‘TSICET’ is
‘TSICET’ త్రవ్వ

(1) ECSMPE
(2) DCTMOD
(3) DCSMPD
(4) DCSMOD

Options :
1. ✓ 1
2. ✓ 2
3. ✗ 3
4. ✓ 4

Which word is coded as ‘GKB’?
మొదటి ‘GKB’ కి ఎండి త్రవ్వబడింది?

(1) WAS
(2) WAR
(3) CAT
(4) YET

Options :
1. ✓ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4
Note: In a certain code language, ‘481’ means “sky is blue”, ‘246’ means “sea is deep” and ‘698’ means “sea looks blue”. Using this information, answer the questions 61 to 65.

Sub questions

Question Number : 61  Question Id : 6672694636  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
What is the code for “deep”?
“deep” కెంద కని?

(1) 1
(2) 2
(3) 4
(4) 6

Options :
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4

Question Number : 62  Question Id : 6672694637  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
The code for ‘sea sky looks’ is:
‘səə sky looks’ ළඟණ

(1) 619  
(2) 492  
(3) 846  
(4) 298

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✔ 4

The code for ‘Sky blue is deep’ is:
‘səəy blue is deep’ ළඟණණ

(1) 6281  
(2) 8194  
(3) 1824  
(4) 1842

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✔ 4
692 is the code for
692 692 ලිපීයක් යුතුය.

(1) deep is sea

(2) sky is blue

(3) blue looks deep

(4) sea looks deep

Options :
1. ☑ 1
2. ☑ 2
3. ☑ 3
4. ✔ 4

Question Number : 65  Question Id : 6672694640  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

What is the code for “blue sea”?
‘blue sea’ ලිපීයක් යුතුය?

(1) 19

(2) 68

(3) 86

(4) 91

Options :
1. ☑ 1
2. ☑ 2
3. ✔ 3
4. * 4
(d) **Date, Time & Arrangement Problems**

What day of the week was 26th January 1983?

26 జనవరి 1983 విక్రమ నామకాన్ని నది అయినది?

1) Monday

2) Wednesday

3) Thursday

4) Friday

Options:

1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4
(d) Date, Time & Arrangement Problems

If a clock takes 22 seconds to strike 12, how many seconds will it take to strike 9?

12 లో కోత్తాడు 22 సెకండులు లేదు. 9 లో కోత్తాడు ఎంత సెకండులు లేదు?

Options:

1. $16 \frac{1}{2}$ sec
2. 18 sec
3. 16 sec
4. 17 sec

Options :

1. ✗ 1
2. ✗ 2
3. ✔ 3
4. ✗ 4
At what time between 2 O clock and 3 O clock will the two hands in a clock be at right angle to each other?

(1) \(2.25\frac{5}{11}\)

(2) \(2.23\frac{4}{11}\)

(3) \(2.26\frac{3}{11}\)

(4) \(2.27\frac{3}{11}\)
Introducing a man, a woman said “he is the only son of my mother’s mother”. How is the woman related to the man?

(1) Niece

(2) Sister

(3) Aunt

(4) Mother

Options :
1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Correct Marks : 1  Wrong Marks : 0
(d) **Date, Time & Arrangement Problems**

Reaching the place of meeting 15 minutes before 8.30 a.m, Ram found himself half an hour earlier than the man who was 40 minutes late to the meeting. Then the scheduled time of the meeting is.

**8.30 a.m**

(1) 8:20 a.m.
(2) 8:15 a.m.
(3) 8:10 a.m.
(4) 8:05 a.m.
If \( t_1 \) is the time elapsed between 9:25 a.m to 2:50 p.m and if \( t_2 \) is the time elapsed between 10:10 a.m to 5:15 p.m then \( t_1 : t_2 = \)

9:25 a.m to 2:50 p.m \( t_1 \) is the time \( 10:10 \) a.m to

5:15 p.m \( t_2 \) is the time

(1) 17:13
(2) 13:17
(3) 53:73
(4) 73:53

Options :
1. **1**
2. ✔️ 2
3. ✗ 3
4. ✗ 4

Question Number : 72  Question Id : 6672694647  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
Six persons $P$, $Q$, $R$, $S$, $T$ and $U$ are sitting around a round table facing the centre of the table. $T$ is between $P$ and $S$, $R$ is to the immediate left of $U$ and to the immediate right of $Q$ and $Q$ is to the immediate right of $S$. Who is sitting between $R$ and $S$?


$R$ ప్రస్తావన సారాంశం $S$ ప్రస్తావన సారాంశం చాలా $R$ ప్రస్తావన సారాంశం?

(1) $T$
(2) $S$
(3) $R$
(4) $Q$
(d) Date, Time & Arrangement Problems

If $\alpha$ denotes multiplication, $\beta$ denotes division, $\gamma$ denotes addition and $\delta$ denotes subtraction, then, $6\delta\left[\left\{(6\gamma 4)\beta 8\right\}\alpha 2\right] =$

\[\alpha \beta \gamma \delta \left[\left\{(6\gamma 4)\beta 8\right\}\alpha 2\right] =\]

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

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

(3) 3

(4) 2

Options:
1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4
For any real numbers $a$ and $b$, if $a \ast b = a + b - ab$ then

$$(1 \ast 2) \ast (3 \ast 4) =$$

(1) 1
(2) 2
(3) 3
(4) 4
(d) Date, Time & Arrangement Problems

If \( Z \) denote the set of integers then the number of elements in the set

\[ A = \{(a, b) : 2a^2 + 3b^2 = 25; \ a, b \in \mathbb{Z}\} \]

is

\[ Z \text{ ఒక పదార్థమాన్ని వ్యాఖ్యాతం చేస్తుంది అంచనా } A = \{(a, b) : 2a^2 + 3b^2 = 25; \ a, b \in \mathbb{Z}\} \]

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

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :  
1. 1  
2. 2  
3. 3  
4. 4
Question Number : 76  Question Id : 6672694651  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

(i) Arithmetical Ability

\[ x^y = y^x \Rightarrow \left( \frac{x}{y} \right)^x = \]

(1) 0
(2) 1
(3) \( \frac{y-1}{x^x} \)
(4) \( \frac{1-y}{y} \)

Options :
1. \( \star \) 1
2. \( \star \) 2
3. \( \star \) 3
4. \( \checkmark \) 4

Question Number : 77  Question Id : 6672694652  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

(i) Arithmetical Ability

\[ x^{x\sqrt{x}} = \left( x^{\sqrt{x}} \right)^x \Rightarrow x = \]

(1) \( \frac{3}{2} \)
(2) \( \frac{9}{4} \)
(3) 1
(4) \( \frac{1}{2} \)
Question Number : 78  Question Id : 6672694653  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0

(i) Arithmetical Ability

\[ \frac{1}{a} : \frac{1}{b} : \frac{1}{c} = 3 : 5 : 7 \Rightarrow a : b : c = \]

(1) 30 : 15 : 21
(2) 32 : 18 : 12
(3) 35 : 21 : 15
(4) 37 : 23 : 17

Options :
1. 1
2. 2
3. 3
4. 4

Question Number : 79  Question Id : 6672694654  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0
(i) Arithmetical Ability

If for the natural numbers \(a, b, c\), \(a^3 + b^3 + c^3 = 8072\) and \(a:b = b:c = 3:2\), then \(a = \) 

(1) 12
(2) 14
(3) 16
(4) 18

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✔ 4

Question Number : 80  Question Id : 6672694655  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes
Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0

(i) Arithmetical Ability

\[
\frac{1}{\sqrt{5} - 2} - \frac{1}{2 - \sqrt{3}} + \frac{1}{\sqrt{3} - \sqrt{2}} - \frac{1}{\sqrt{2} - 1} + 1 =
\]

(1) 0
(2) 1
(3) \(\sqrt{5}\)
(4) \(2\sqrt{5}\)
Arithmetical Ability

\[ \sqrt{18 + x\sqrt{2}} = \sqrt{12} + \sqrt{6} \Rightarrow x = \]

(1) 6  
(2) 8  
(3) 12  
(4) 18
(i) Arithmetical Ability

When a positive integer is divided by 783 the remainder was 48. What will be the remainder when the same numbers is divided by 29?

(1) 13
(2) 17
(3) 19
(4) 23.

Options:
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

(i) Arithmetical Ability

The numbers of divisors of 1248 other than 1 and the number itself is:

(1) 16
(2) 18
(3) 22
(4) 24.

Options:
1. ✗ 1
2. ✗ 2
3. ✓ 3
(i) Arithmetical Ability

What is the least number which when subtracted from 3000 is exactly divisible by 7, 11, 13?

7, 11, 13 యొక్క నంబరు కొట్టడం ప్రామాణికంగా 3000 ను విభజించే సంఖ్య ఎంత?

(1) 898
(2) 996
(3) 997
(4) 998

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✔ 4
(i) Arithmetical Ability

What is the largest number which will divide 1354, 1866 and 2762 leaving 10 as remainder in each case?

1354, 1866, 2762 అత్యధికంగా భాగస్వామి అడగడం పై 10 స్థానం మాత్రమే బాగా నాలుగు బాగా?

(1) 32  
(2) 48  
(3) 64  
(4) 128

Options:
1.* 1  
2.* 2  
3.✓ 3  
4.★ 4

If the recurring decimal number \( \overline{3.784} \) is equal to the rational number \( \frac{p}{q} \) and \( GCD (p, q) = 1 \), then \( p + q = \)

\[ \overline{3.784} \] రాశితో భాగస్వామి అడగడం పై \( \frac{p}{q} \) ను స్థానం మాత్రమే 

\[ GCD (p, q) = 1 \] అంచనా యొక్కప్పుడు \( p + q = \)

(1) 1057  
(2) 1579  
(3) 3118  
(4) 4737
Question Number : 87  Question Id : 6672694662  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

(i) Arithmetical Ability

\[ 3 + \frac{1}{4 + \frac{1}{5 + \frac{1}{6}}} = \]

(1) \[ \frac{421}{130} \]

(2) \[ \frac{431}{140} \]

(3) \[ \frac{441}{150} \]

(4) \[ \frac{451}{160} \]
(i) Arithmetical Ability

Which of the following statements is true?

(1) $\frac{1}{4} > \frac{5}{6} > \frac{7}{8} > \frac{8}{9}$

(2) $\frac{1}{4} > \frac{7}{8} > \frac{8}{9} > \frac{5}{6}$

(3) $\frac{8}{9} > \frac{7}{8} > \frac{5}{6} > \frac{1}{4}$

(4) $\frac{8}{9} > \frac{5}{6} > \frac{1}{4} > \frac{7}{8}$

Options:
40 liters of milk contains 10% of water. How many liters of water are to be added to increase the water content to 20%?

(1) 3
(2) 4
(3) 5
(4) 6
(i) Arithmetical Ability

The salary of an employee was increased by 20% and then reduced by 10%. What was the net change in the employee's salary?

The salary of an employee was increased by 20% and then reduced by 10%. What was the net change in the employee's salary?

1. 10% increase
   10% రశి

2. 8% increase
   8% రశి

3. 8% decrease
   8% నాటికి

4. 5% increase
   5% రశి

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4

Question Number : 92  Question Id : 6672694667  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes
Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0
(i) Arithmetical Ability

If an article is sold at a loss of 9% instead of loss of 15% a dealer gets Rs. 420 more. The cost price of the article (in Rs.) is

वरः सिल्सील में एक प्रतियोगी 15% की गंभीरता में बिकाया 9% की गंभीरता में बिकाया 420 रुपए अधिक बिकता है। उसका क्रयमूल्य (रुपये में) कितना है?

(1) 6,000
(2) 7,000
(3) 8,000
(4) 9,000

Options:
1. ✗
2. ✔
3. ✗
4. ✗
(i) **Arithmetical Ability**

A person buys a car at 20% discount of the original price and sells it at 20% higher than the original price. The percentage gain in this transaction is

\[
\text{Gain} = \frac{\text{Discount Rate} \times \text{Selling Price} - \text{Original Price}}{\text{Original Price}} \times 100
\]

\[
= \frac{20\% \times (1 + 20\%) - 1}{1 + 20\%} \times 100
\]

\[
= \frac{20\% \times 1.2 - 1}{1.2} \times 100
\]

\[
= \frac{24 - 100}{1.2}
\]

\[
= 66.67\%
\]

Options:
1. 20
2. 40
3. 50
4. \(66\frac{2}{3}\)

Correct Answer: 4
In a business $P$, $Q$ and $R$ invested ₹ 7,200, ₹ 12,600 and ₹ 9,600 respectively. What is the share of $R$ (in ₹) in a total profit of ₹ 6,860?

Options:

(1) 2160
(2) 2240
(3) 2280
(4) 2340

Options:

1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4
Arithmetical Ability

P and Q enter into a partnership with capitals in the ratio of 3:4. At the end of 10 months P with draws. If they share profit in the ratios 5:6 for how many months Q’s capital was used?

\[ P, Q \propto 3:4 \]  

10 నెలల ప్రారంభంలో ప్రత్యేకంగా ప ప్రతిక్రియ | 5:6 గురించి పాటు పరిణామం పంచించిన ప్రారంభం కనుమ సామర్థ్యం కనుమ పరించోంది?

(1) 12  
(2) 10  
(3) 9  
(4) 8

Options:

1. ✻ 1  
2. ✻ 2  
3. ✗ 3  
4. ✻ 4

Correct Marks: 1 Wrong Marks: 0
(i) Arithmetical Ability

A pipe can fill a tank in 15 hours. Another pipe can empty the full tank in 20 hours. If both the pipes are opened together the number of hours required to fill the tank is.

15 గణాంకంలో ఒక పలుగు. 20 గణాంకంలో ఒక పలుగు. లేదా పలుగులను సామాన్యంగా ఉంచడానికి ఎంత సమయం చాలా ఒక పలుగులు లేదా పలుగులను ఉంచడానికి ఎంత సమయం చాలా.

(1) 50
(2) 54
(3) 60
(4) 64

Options:
1. ✗
2. ✗
3. ✓
4. ✗

Question Number : 97  Question Id : 6672694672  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
(i) Arithmetical Ability

సంఖ్యా శాస్త్ర

Two pipes $P$ and $Q$ can fill a tank in 12 minutes and 15 minutes respectively. If both are opened together and $P$ is closed after 3 minutes then the time required to fill the tank (in minutes) is

$$P, Q \text{ దీని కాలం లో తేడాలు కంటే } 12 \text{ మిం., } 15 \text{ మిం. ఎక్కడి బట్టి, } 3 \text{ మిం.లో ప్రారంభమైన } P \text{ ను బంధించి, తరువాత కంటే ఉండాలి వాటి కంటే కాలంపైనను తేడాలు కంటే}$$

(1) $11\frac{1}{4}$
(2) $11\frac{1}{2}$
(3) $12\frac{1}{4}$
(4) $12\frac{1}{2}$

Options:
1. ✔️ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
(i) Arithmetical Ability

అరీథ్మెటికల్ అబిలి

A Person runs 200 meters in 20 seconds. What is his speed in kmph?

ఒక వారు 200 మీటర్లు 20 సెకండ్లు ద్రావించాడు. అతడి హేడు ఎంత?

(1) 28
(2) 36
(3) 38
(4) 40
Running at $\frac{5}{4}$ of his usual speed a person improves his timing by 30 minutes. What was his usual time in hours?

30 అంతర్భాగం స్థితి ప్రమాణం స్థితి. అమల సమయం ఎంతా స్థితి కానీ?
(i) Arithmetical Ability

అత్యంతం గణితం

P’s work is twice as much as Q. If both work together they finish a job in 12 days. If P works alone the number of days needed to complete that work?

$P$ అంటే $Q$ నిపుణంగా రెండుంది సంఖ్యలు. నిపుణుల మధ్య విచారణలో సంఖ్య పూర్తి చేయడానికి 12 దినాలు 

పరిమితం. $P$ అంటే నిపుణులు అంటే ఈ సంఖ్య పూర్తి చేయడానికి ఎంతో దినాలు?

(1) 16
(2) 18
(3) 19
(4) 20

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4
(i) Arithmetical Ability

A, B, C completed a work and received ₹1800 as their wages. A worked for 6 days, B for 4 days and C for 9 days. If their wages are in the ratio of 5:6:4 the amount received by B (in rupees) is

\[ \frac{5}{6} : \frac{6}{6} : \frac{4}{6} \]

The amount received by B is ₹ 720.
Arithmetical Ability
అధికారిణి ఖాద్యపదధ

The length and the breadth a rectangular field are in the ratio 3:2. The cost of fencing the field at the rate of ₹ 50 per meter is ₹ 25,000/-. The area of the field in square meters is

3:2 అభిముక్యం కలిగిన పట్టణంలో దైర్ఘ్యం మరియు పొడవు లు రాశిలు పొరబాగురి 3:2 అని కూడా. ప్రతి మీటర్ పై పిండిం రూ. 50 ద్వారా నిమ్మించబడిన పిండిం రూ. 25,000 లో ఉంది. పట్టణం చలనం

సమాధానం:

1. 12,000
2. 12,225
3. 12,250
4. 15,000

Options:
1. ✗ 1
2. ✗ 2
3. ✔ 3
4. ✔ 4
(i) Arithmetical Ability

దానికి రాదుండాలు

The circumference of a circle is 352 meters. Taking the approximate value of \( \pi \) to be \( \frac{22}{7} \), the area of the circle in square meters is

\[ \text{Area} = \pi r^2 \]

where the circumference is given by \( 2\pi r = 352 \) meters.

\[ r = \frac{352}{2\pi} = \frac{352}{\frac{22}{7}} = 56 \text{ meters} \]

The area is then:

\[ \text{Area} = \left( \frac{22}{7} \right) \times (56)^2 = 9546 \text{ square meters} \]

Options:

1. 9546
2. 9646
3. 9756
4. 9856

Correct Answer: 9546
Arithmetical Ability

The radius of the base of a cylinder is \( \frac{1}{3} \) of the radius of the base of a cone. If their heights are equal then the ratio of their volumes is

1. 1:3
2. 2:3
3. 2:5
4. 3:2
Three metal cubes of sides 6, 8 and 10 cms are melted and formed into a single cube. If there is no loss of metal in the process what is the side of the big cube (in cms)?

(1) 12
(2) 14
(3) 15
(4) 16
A semi-circle is constructed on each side of a square of side 2m. Then the whole area of the figure (in sq.m) is

2 మ వైశాల్య సమాక్షి ఎనిమిద వ్యాసం ఉన్న సరుకుండా, నస్తుంది. కానీ నిమిద వ్యాసం

ఇచ్చినం (స్టేటమెంట్)

1. $10 \frac{2}{7}$
2. $10 \frac{3}{7}$
3. $12 \frac{2}{7}$
4. $20 \frac{2}{7}$

Options:
1. ✔️ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
The difference between the circumference and radius of a circle is 111 cm. Then the area of the circle (in cm²) ?

1. 693
2. 1386
3. 2079
4. 2772

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4
(i) Arithmetical Ability

ుతికి నాచిండి

Two poles of height 15 meters and 30 meters are erected in a playground at a distance of 36 meters between them. The distance between their tops (in meters) is

15మి. 30మి. ఎత్తులు గల చోటులు నిర్మించబడింది. 36 మి. పరిమాణంగా వున్నచోటుల మధ్య దూరం (మి. ఎంతం)

(1) 36
(2) 38
(3) 39
(4) 40

(i) Arithmetical Ability

ుతికి నాచిండి

The number equal to \((254)_5\) in ternary system is

\((254)_5\) ని తెర్నీరీయంగా మారినే సంఖ్య ఉంటుంది

(1) \((2221)_3\)
(2) \((2121)_3\)
(3) \((2112)_3\)
(4) \((2211)_3\)
(i) Arithmetical Ability

The sum \((1010)_2 + (102)_3\)

\((1010)_2 + (102)_3\) అదే సంఖ్య కూతుడు ఎక్కడా?

1. \((10011)_2\)
2. \((10101)_2\)
3. \((10001)_2\)
4. \((10110)_2\)
(ii)  Algebraic and Geometrical Ability

For any two statements \( p, q \), the contrapositive of \( p \Rightarrow q \) is:

\begin{align*}
(1) & \quad q \Rightarrow p \\
(2) & \quad \sim p \Rightarrow \sim q \\
(3) & \quad \sim q \Rightarrow \sim p \\
(4) & \quad \sim p \Rightarrow \sim q
\end{align*}

Options :
1. * 1
2. * 2
3. ✔ 3
4. * 4

Question Number : 112  Question Id : 6672694687  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes
Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0

(ii)  Algebraic and Geometrical Ability

For any two statements \( p, q \) the converse of \( \sim p \Rightarrow q \) is

\begin{align*}
(1) & \quad \sim (p \land q) \\
(2) & \quad p \land q \\
(3) & \quad p \lor q \\
(4) & \quad \sim (p \lor q)
\end{align*}

Options :
1. ✔ 1
2. * 2
3. * 3
4. * 4
(ii) **Algebraic and Geometrical Ability**

If \( a \in \mathbb{N} \) denotes the set \( \{ax : x \in \mathbb{N}\} \) then \( 3\mathbb{N} \cap 7\mathbb{N} = \)

\( \mathbb{N} = \{ax : x \in \mathbb{N}\} \) \( \Rightarrow a \in \mathbb{N} \) \( \Rightarrow 3\mathbb{N} \cap 7\mathbb{N} = \)

(1) 21 \( \mathbb{N} \)  
(2) 42 \( \mathbb{N} \)  
(3) 3 \( \mathbb{N} \)  
(4) 7 \( \mathbb{N} \)

**Options:**
1. 1  
2. 2  
3. 3  
4. 4

Question Number : 114  Question Id : 6672694689  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1 Wrong Marks : 0
(ii) Algebraic and Geometrical Ability

If \( R = \{(a, b) \in \mathbb{R}^2 : a - b + \sqrt{2} \text{ is irrational}\} \) then the relation \( R \) on \( \mathbb{R}^2 \) is:

\[ R = \{(a, b) \in \mathbb{R}^2 : a - b + \sqrt{2} \text{ ఎండు లింగం} \} \]

అంశాలంగా కాదు.

(1) Symmetric

సమాధానం

(2) Transitive

ట్రాన్సిటివేసి

(3) Reflexive

రెక్స్ఫిల్

(4) An equivalence relation

సంబంధానుషీలం సంబంధం

Options:

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✔ 4
(ii) Algebraic and Geometrical Ability

If \( f(1) = 1 \) and \( f(n) = 2 \sum_{k=1}^{n-1} f(k), \ (n > 1) \) then \( \sum_{k=1}^{m} f(k) = \)

\[ f(1) = 1, \quad f(n) = 2 \sum_{k=1}^{n-1} f(k), \quad (n > 1) \quad \text{where} \quad \sum_{k=1}^{m} f(k) = \]

(1) \( 3^m - 1 \)
(2) \( 3^m \)
(3) \( 3^{m-2} \)
(4) \( 3^{m-1} \)

Options:
1. 1
2. 2
3. 3
4. 4

(ii) Algebraic and Geometrical Ability

The sum of the intercepts made by the line \( 7x + 2y = 28 \) on the coordinate axes is

\( 7x + 2y = 28 \) ྫ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ ྡྷ 🅱️

Options:
1. 1

Question Number : 116 Question Id : 6672694691 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0
(ii) Algebraic and Geometrical Ability

A line \( l \) passing through the point \((1, -2)\) is perpendicular to the line \(x + 2y + 1 = 0\). Then the point of intersection of \( l \) and \(x + 2y + 1 = 0\) is:

\[(1, -2)\] as the line \( l \) is perpendicular to \(x + 2y + 1 = 0\) and they are straight lines

\[\begin{align*}
1. & \quad (-1, 0) \\
2. & \quad (1, -1) \\
3. & \quad \left(\frac{7}{5}, -\frac{6}{5}\right) \\
4. & \quad (5, -3)
\end{align*}\]

Options:
1. \(\star\) 1
2. \(\star\) 2
3. \(\checkmark\) 3
4. \(\star\) 4

Question Number : 118 Question Id : 6672694693 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0
(ii) Algebraic and Geometrical Ability

\[ \cos(A + 45°) + \sin(A - 45°) = \]

(1) \( \sqrt{2} \sin A \)

(2) \( \sqrt{2} \cos A \)

(3) 0

(4) 1

Options:
1. ✗ 1
2. ✗ 2
3. ✔ 3
4. ✗ 4

Question Number : 120  Question Id : 6672694695  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

(ii) Algebraic and Geometrical Ability

\[ \cos^2 A = \sin A \tan A \Rightarrow \cot^6 A - \cot^2 A = \]

(1) 1

(2) 2

(3) 3

(4) -1

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
(ii) Algebraic and Geometrical Ability

\[
\frac{\cos \theta}{7} = \frac{\sin \theta}{6} \Rightarrow 7 \cos 2\theta + 6 \sin 2\theta =
\]

(1) 6

(2) \(\frac{25}{17}\)

(3) 7

(4) \(\frac{17}{25}\)
(ii) Algebraic and Geometrical Ability

The angle of elevation of a tower from a point 40 meters from foot of the tower is \( \cot^{-1}\left(\frac{3}{5}\right) \). Then the height (in meters) of the tower is

\[ \cot^{-1}\left(\frac{3}{5}\right) \] (in degrees, the angle of elevation)

(1) \( 33\frac{1}{3} \)

(2) 40

(3) 50

(4) \( 66\frac{2}{3} \)

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✔ 4
(ii) Algebraic and Geometrical Ability

The quadratic polynomial in $x$ which when divided by $x-1, x+2, x+1$ leave remainders 3, 24, 9 respectively is

$x-1, x+2, x+1$ ని భాగపాటు కాపడంతో 3, 24, 9 తెలుసుకోస్తుంది $x$ పదాంశాన్ని

(1) $x^2 + x + 22$
(2) $x^2 + 3x + 11$
(3) $4x^2 + 3x + -2$
(4) $4x^2 - 3x + 2$

Options :
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4
(ii) Algebraic and Geometrical Ability

If \( x + a \) is the highest common factor of \( x^2 + bx + c \) and \( x^2 + dx + e \), then the value of \( a \) is

\[
x^2 + bx + c, \quad x^2 + dx + e \quad \text{and} \quad x + a \quad \text{or} \quad a = \frac{c - e}{b - d}
\]

Options:
1. \( \frac{c - e}{b - d} \)
2. \( \frac{b - d}{c - e} \)
3. \( \frac{c + e}{b + d} \)
4. \( \frac{b + d}{c + e} \)

Question Number : 124  Question Id : 6672694699  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
(ii) Algebraic and Geometrical Ability

If \( p(x) \) is a quadratic polynomial such that
\[
p(1) = 7, \; p(-1) = 3, \; p(0) = 4, \quad \text{then} \quad p(10) =
\]

\[
p(x) \text{ ఒక దస్త్రిక సంఖ్య,} \quad p(1) = 7, \; p(-1) = 3, \; p(0) = 4. \quad \text{అంటే}
\]

\[
p(10) =
\]

(1) 110
(2) 120
(3) 124
(4) 69

Options:
1. **1
2. **2
3. ✓ 3
4. **4

Question Number : 125  Question Id : 6672694700  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes Single Line Question Option : No  Option Orientation : Vertical Correct Marks : 1  Wrong Marks : 0

(ii) Algebraic and Geometrical Ability

The remainder when \( x^4 + 4x^3 - 5x^2 - 6x + 7 \) is divided by \( x - 3 \), is
\[
x^4 + 4x^3 - 5x^2 - 6x + 7 \text{ ను} \; x - 3 \; 
\]

(1) 143
(2) 131
(3) 132
(4) 133

Options:
(ii) Algebraic and Geometrical Ability

If a number $x$ exceeds its reciprocal by $2 \frac{2}{3}$, then $x^2 = \rule{0pt}{2ex}$

$\frac{2}{3}$

(1) 4
(2) 9
(3) 16
(4) 25

Options:

1. ✔ 1
2. ✔ 2
3. ✔ 3
4. ✔ 4

Question Number : 127  Question Id : 6672694702  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0
(ii) Algebraic and Geometrical Ability

A fraction becomes \( \frac{5}{7} \) if 2 is added to both its numerator and denominator. However, if 17 is subtracted from both numerator and denominator the fraction becomes \( \frac{8}{15} \). If 1 is added to its numerator and denominator, the fraction becomes.

\[
\frac{17}{24}
\]

\[
\frac{16}{25}
\]

\[
\frac{18}{25}
\]

\[
\frac{15}{22}
\]

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
(ii) Algebraic and Geometrical Ability

The sum of first three terms of a geometric progression is $\frac{13}{12}$ and their product is $-1$. Then the fourth term is

\[ \text{4) } \frac{-4}{3} \]

Options:
1. ✔️ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
(ii) Algebraic and Geometrical Ability

భాగానె జోహానే జోహనానా పండితురు

How many first few terms of the geometric progression 3, 6, 12, 24, ... add up to 765?

వన్ను 3, 6, 12, 24, ... ఎంత పొడవు పోషక పరామర్శం ఎలాంటి 765 వంటి అంశాలు?

(1) 15
(2) 16
(3) 7
(4) 8

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 130  Question Id : 6672694705  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
(ii) **Algebraic and Geometrical Ability**

The coefficient of \(x^5\) in the expansion of \(\left(\frac{4x}{5} - \frac{5}{2x}\right)^9\) is

\[\left(\frac{4x}{5} - \frac{5}{2x}\right)^9\]

\(\text{coefficient of } x^5 = \frac{9 \times 2^{14}}{5^6}\)

- (1) \(\frac{9 \times 2^{14}}{5^6}\)
- (2) \(\frac{9 \times 2^{15}}{5^6}\)
- (3) \(\frac{9 \times 2^{16}}{5^5}\)
- (4) \(\frac{9 \times 2^{14}}{5^5}\)
(ii) Algebraic and Geometrical Ability

\[ 10^C_0 + 10^C_2 + \ldots + 10^C_{10} = \]

(1) 2^{10}
(2) 2^8
(3) 2^9
(4) 2^{11}

Options :
1. **1
2. **2
3. ✓ 3
4. **4

Question Number : 132  Question Id : 6672694707  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

(ii) Algebraic and Geometrical Ability

\[ \begin{bmatrix} -1 & 2 \\ 1 & -1 \end{bmatrix} \begin{bmatrix} x \\ y \end{bmatrix} = \begin{bmatrix} 4 \\ 5 \end{bmatrix} \Rightarrow 3x - 4y = \]

(1) 3
(2) 4
(3) 5
(4) 6

Options :
1. **1
2. **2
3. **3
4. ✓ 4
Algebraic and Geometrical Ability

The system of equations:

\[ x + y + z = 3 \]
\[ 2x + 5y + 4z = 11 \]
\[ 5x + 2y + z = 10 \]

The system of equations:

\[ x + y + z = 3 \]
\[ 2x + 5y + 4z = 11 \]
\[ 5x + 2y + z = 10 \]

(1) unique solution

(2) no solution

(3) infinitely many solutions

(4) two solutions

Options:
1. ✓ 1
2. 2
3. 3
4. 4
(ii) Algebraic and Geometrical Ability

\[ \lim_{x \to 0} \left( \frac{e^{5x} - e^{3x}}{e^{4x} - e^x} \right) = \]

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

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

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

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

Options :
1. ✗ 1
2. ✔️ 2
3. ✗ 3
4. ✗ 4

Correct Marks : 1 Wrong Marks : 0
(ii) Algebraic and Geometrical Ability

\[(x + y)^{a+b} = x^a y^b \Rightarrow \frac{dy}{dx} = \] 

1. \( \frac{x + y}{x - y} \) 
2. \( \frac{y}{x} \) 
3. \( \frac{x}{y} \) 
4. \( \frac{x - y}{x + y} \)
(ii) **Algebraic and Geometrical Ability**

In a $\triangle ABC$, $\angle B = 55^\circ$, $\angle C = 45^\circ$ and bisector of $\angle A$ meets $BC$ at a point $D$. Then $\angle CAD =$

$\triangle ABC \text{  with } \angle B = 55^\circ, \angle C = 45^\circ \text{ where } \angle A \text{ bisects } BC \text{ at } D$

Find the answer. Here $\angle CAD =$

1. $80^\circ$
2. $40^\circ$
3. $50^\circ$
4. $60^\circ$

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4
(ii) Algebraic and Geometrical Ability

If the point $A, B, C$ and $D$ are Conyclic. Then $|ABC + AD\angle C| = \text{?}$

(1) $90^\circ$
(2) $120^\circ$
(3) $180^\circ$
(4) $135^\circ$

Options:
1. ✗ 1
2. ✗ 2
3. ✔️ 3
4. ✔️ 4

Question Number : 138  Question Id : 6672694713  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
(ii) Algebraic and Geometrical Ability

A circle touches all the four sides of a quadrilateral $ABCD$ as shown below. If $AB = 3 \text{ cm}$, $BC = 4 \text{ cm}$ and $CD = 5 \text{ cm}$ then $AD =$

\[ AB = 3 \text{ cm}, \quad BC = 4 \text{ cm}, \quad CD = 5 \text{ cm}. \quad \text{Hence} \quad AD = \]

1) 4 cm  
2) 5 cm  
3) 3 cm  
4) 6 cm

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
(ii) Algebraic and Geometrical Ability

The points $A(5, 2)$, $B(6, -15)$, $C(0, 0)$ are vertices of the triangle which is

$A(5, 2)$, $B(6, -15)$, $C(0, 0)$

(1) equilateral

(2) isosceles

(3) right angled

(4) right angled isosceles

Options:
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4
(ii) Algebraic and Geometrical Ability

If three vertices of a rectangle are (4, 1), (7, 4) and (13, -2) then the fourth vertex is:

(1) (10, -5)  
(2) (-10, -5)  
(3) (-10, 5)   
(4) (10, 5)
(iii) Statistical Ability

The arithmetic mean of 10 observations is 48. If two more observations 65 and 75 are added to the data, then the arithmetic mean of the entire data of 12 observations is:

10 అంశాల సరిహద్దు 48 ఉంది. అది మరియు అదినం 65 మరియు 75 అంశాలు ఉన్నాయి. అంశాల సరిహద్దు యొక్క సంఖ్య ఎలా ఉండుంది?

12 అంశాల సరిహద్దు యొక్క సంఖ్య ఎలా ఉండుంది?

(1) \( \frac{51+\frac{2}{3}}{} \)
(2) \( \frac{50+\frac{2}{3}}{} \)
(3) \( \frac{52+\frac{1}{5}}{} \)
(4) \( \frac{53+\frac{3}{5}}{} \)

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 142  Question Id : 6672694717  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1 Wrong Marks : 0
(iii) Statistical Ability

సాంఘారిక శక్తి

The median of first \(2n\) natural numbers is

మధ్యమం \(2n\) నాట్యాల కొంతాలకు

1. \(n\)
2. \(n + \frac{1}{2}\)
3. \(n + 1\)
4. \(n + 2\)

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4

(iii) Statistical Ability

సాంఘారిక శక్తి

For a data the median is 53.5 and the mean is 53.8. Then mode of the data is

అది విభాగాల మద్యమం 53.5 మరియు మధ్యమం 53.8. అంటే వాటి మద్యమం ఎలాంటి?

1. 51.3
2. 52.7
3. 52.9
4. 53.4

Options:
1. ✗ 1
The standard deviation of first 25 natural numbers is

\[ \sqrt{\frac{54}{25}} \]

1. \( \sqrt{54} \)
2. \( \sqrt{26} \)
3. \( \sqrt{13} \)
4. \( 2\sqrt{13} \)
(iii) Statistical Ability

The variance of first $n$ natural numbers is

\[ \frac{n^2 - 1}{12} \]

(1) \[ \frac{n^2 - 1}{12} \]

(2) \[ \frac{n^2 - 1}{6} \]

(3) \[ \frac{n^2 - 1}{3} \]

(4) \[ \frac{n^2 - 1}{24} \]
(iii) Statistical Ability

If the sum of squares of the deviations of ranks of two players in $n$ sports is $\frac{2n(n+1)}{3}$, then the coefficient of rank correlation is $\frac{2n(n+1)}{3}$.

Options:

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

(2) $\frac{n-5}{n-1}$

(3) $\frac{n-3}{n-1}$

(4) $\frac{n-5}{n+1}$
(iii) Statistical Ability

If $A$ and $B$ are two events in a random experiment with the probabilities

$$P(A) = \frac{3}{8}, \quad P(B) = \frac{1}{3} \quad \text{and} \quad P(A \cap B) = \frac{1}{4},$$

then $P(\overline{A} \cap \overline{B}) =$ ______

Here, $\overline{A}$ is the complementary event of $A$.

$$P(A) = \frac{3}{8}, \quad P(B) = \frac{1}{3}, \quad \text{विस्तृतिकर्म,} \quad P(\overline{A} \cap \overline{B}) =$$

(समान \( \overline{A} \) अर्थ \( A \) मेंसुनकर मानना)

(1) $\frac{13}{24}$

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

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

(4) $\frac{5}{24}$

Options:

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
If a number is selected at random out of the first 120 natural numbers, then the probability that it is a composite number is

\[
\frac{89}{120}
\]

\[
\frac{87}{120}
\]

\[
\frac{31}{120}
\]

\[
\frac{1}{4}
\]
(iii) Statistical Ability

If three vertices are selected at random from the vertices of an octagon, then the probability that no two of their three vertices are adjacent to each other is

2 3 4 5
7 7 7 7

Options:
1. 1
2. 2
3. 3
4. 4

Correct Marks: 1 Wrong Marks: 0
(iii) Statistical Ability

If four boys and five girls sit in a row at random, then the probability that all boys sit together is

(1) \( \frac{1}{21} \)

(2) \( \frac{2}{21} \)

(3) \( \frac{1}{7} \)

(4) \( \frac{4}{21} \)

Options :
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Communication Ability

Section Id : 66726969
Section Number : 3
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 38
Number of Questions to be attempted: 38
Section Marks: 50
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 667269474
Question Shuffling Allowed: Yes
Choose the correct meaning for the word given:

Restive

(1) restful
(2) restless
(3) quiet
(4) laid-back

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4

Choose the correct meaning for the word given:

Wield

(1) handle
(2) farm
(3) extend
(4) increase

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
Choose the correct meaning for the word given:

**Whimsical**

(1) repulsive  
(2) impulsive  
(3) balanced  
(4) optimistic

Options:
1. ✗ 1  
2. ✔ 2  
3. ✗ 3  
4. ✗ 4

Choose the correct meaning for the word given:

**Vociferous**

(1) silent  
(2) friendly  
(3) loud  
(4) proud

Options:
1. ✗ 1  
2. ✗ 2  
3. ✔ 3  
4. ✗ 4
Choose the correct meaning for the word given:

**Uprising**

(1) promising  
(2) rebellion  
(3) apprehension  
(4) approval

Options:
1. ✗ 1  
2. ✗ 2  
3. ✗ 3  
4. ✗ 4

Choose the correct meaning for the word given:

**Rampant**

(1) restrained  
(2) unsatisfactory  
(3) satisfactory  
(4) unrestrained

Options:
1. ✗ 1  
2. ✗ 2  
3. ✗ 3  
4. ✗ 4
Fill in the blank choosing the correct word

The __________ wealth of India tempted many foreign invaders.

(1) scanty
(2) inadequate
(3) fabulous
(4) salubrious

Options :
1. ✓ 1
2. ✓ 2
3. ✓ 3
4. ✗ 4

Fill in the blank choosing the correct word

The disaster was __________, thanks to timely action.

(1) imminent
(2) averted
(3) certain
(4) inescapable

Options :
1. ✓ 1
2. ✓ 2
3. ✓ 3
4. ✗ 4
Fill in the blank choosing the correct word

The havoc caused by the storm was______________

(1) attractive
(2) phenomenal
(3) encouraging
(4) animating

Options :
1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Fill in the blank choosing the correct word

The welfare measures__________ by the Government benefited the entire society.

(1) suppressed
(2) generated
(3) stalled
(4) isolated

Options :
1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4
Choose the correct answer

The package of MS Office that is used to curate documents is known as

(1) Word
(2) Excel
(3) PowerPoint
(4) Internet

Options :
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Choose the correct answer

A barcode reader is an example for

(1) Output device
(2) Input device
(3) Processing device
(4) Storage device

Options :
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4
Choose the correct answer

Algorithm consists of

(1) a set of discontinuous steps
(2) a set of sequential steps
(3) a set of imprecise steps
(4) a set of random steps

Options:
1. * 1
2. ✔ 2
3. * 3
4. * 4

Choose the correct answer

Which of the following is not an operating system?

(1) Microsoft
(2) Linux
(3) Windows
(4) Ios

Options:
1. ✔ 1
2. * 2
3. * 3
4. * 4
Choose the correct answer

Which of the following provide bi-directional communication but in one direction at a time?

1. Simplex
2. Half-duplex
3. Full duplex
4. Half – simplex

Choose the correct answer

The abbreviation ‘NAV’ of mutual funds stands for

1. Net Asset Value
2. Net Amount Value
3. Non Accrued Value
4. Non Admissible Value
Choose the correct answer

A Security agent against a loan is known as

(1) Collateral  
(2) Mortgage  
(3) Commercial paper  
(4) Invoice

Options :
1. ✓ 1  
2. ✗ 2  
3. ✗ 3  
4. ✗ 4

Choose the correct answer

Thinking creatively, abandoning all pre conceptions is often described as thinking

(1) Beyond the box  
(2) Beyond the sky  
(3) Outside the box  
(4) Cogently

Options :
1. ✗ 1  
2. ✓ 2  
3. ✓ 3  
4. ✗ 4
Choose the correct answer

The Empirical School of Management emphasizes on the

(1) Experience of managers
(2) Experience of the subordinates
(3) Experience of the consumers
(4) Experience of the public

Choose the correct answer

The wage system wherein a definite sum of money is paid for a particular of work is known as

(1) The piece wage system
(2) The time wage system
(3) The differential piece wage system
(4) The incentive wage system
Choose the correct answer

A: “Are you worried about Ramya”

B: “No, not at all! I know she can give as good as she gets.”

‘B’ implies that

1. Ramya pays compliments to all
2. Ramya is very generous
3. Ramya hates everyone
4. Ramya can argue or fight as strongly as one’s opponent does.

Options:
1. * 1
2. * 2
3. * 3
4. ✓ 4

Choose the correct answer

A: “We thought everything was settled, but now they say they are not happy.”

B: “So you are back to square one again.”

‘B’ implies that

1. the deal is partly a success
2. the deal is given up
3. the deal is back to where they started
4. the deal is settled

Options:
1. * 1
2. * 2
3. ✓ 3
4. * 4
Choose the correct answer

“Enter it in the register.” Change the above sentence into passive voice.

(1) Let it be entered in the register
(2) It should be entered in the register
(3) Find the register
(4) Has it been entered in the register?

Options :
1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Choose the correct answer

“I tried to explain, but the manager cut me short.” According to the speaker the manager

(1) allowed him to complete what he was saying
(2) questioned him on his explanation
(3) interrupted him and did not allow him to finish
(4) scolded him roughly

Options :
1. ✗ 1
2. ✓ 2
3. ✓ 3
4. ✗ 4
Choose the correct answer
A: “How your weekend?”

B: “It was a roller coaster ride.”

'B' implies that the weekend was

(1) unexciting
(2) characterized by unexpected sudden change
(3) strenuous
(4) spent in entertainment

Choose the correct answer

“If the room had been brighter, I would have been able to read for a while before bed time.” The speaker implies

(1) the room had light
(2) the room had light enough to read
(3) the room had no light at all
(4) the room had light but not enough to read
Choose the correct answer

“The manager kept his staff at a distance.” The manager implies that the manager

1. asked his staff to stand at a distance
2. asked his staff to stay at a distance
3. was not friendly with his staff
4. was friendly with his staff.

Fill in the blanks with the appropriate phase/verbs/preposition:

“Are you hungry? Would you care________ something to eat?”

1. for
2. of
3. about
4. on

Question Number : 178  Question Id : 6672694753  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

Question Number : 179  Question Id : 6672694754  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
Fill in the blanks with the appropriate phase/verbs/preposition:

His salary is not enough to live_______.

(1) by
(2) of
(3) for
(4) on

Options:
1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Fill in the blanks with the appropriate phase/verbs/preposition:

The staff are ________ strike.

(1) on
(2) by
(3) in
(4) through

Options:
1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4
Fill in the blanks with the appropriate phase/verbs/ preposition:

In a fit of emotion he __________ his job.

(1) threw up
(2) threw over
(3) turned over
(4) turned up

Options :
1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Fill in the blanks with the appropriate phase/verbs/ preposition:

They were asked to __________ the decision of their supervisors.

(1) abide in
(2) abide with
(3) abide for
(4) abide for

Options :
1. 1
2. 2
3. 3
4. 4
Fill in the blanks with the appropriate phase/verbs/preposition:

If you make a mistake on the form, just__________.

(1) put it off
(2) cross it out
(3) turn it off
(4) turn it away

Options:
1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4

Question Number : 184  Question Id : 6672694759  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

Fill in the blanks with the appropriate phase/verbs/preposition:

Engineers _________ a new channel for the stream to follow.

(1) gouged
(2) goaded
(3) steered
(4) slithered

Options:
1. ✔ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 185  Question Id : 6672694760  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0
Fill in the blanks with the appropriate phase/verbs/preposition:

Do her parents ________ about it?

(1) knew
(2) knows
(3) know
(4) known
Read the following passage and answer question

What are the economic impediments to greater financial inclusion? Perhaps the most important is the economic condition of the excluded. World over, the poor, the small and the remote are excluded. It is not just because the financial system is underdeveloped, but because they are hard to service profitability. Nevertheless, this is not a reason to abandon hope, but to ask how we can overcome the impediments in the way of inclusion.

The excluded may live in remote areas or may belong to communities or segments of society that undertake economic activity informally—they do not maintain records or have signed contracts or documentation. They often do not own property or have regular established sources of income. As a result, a banker, especially if as is typical, he is not from the local region, will have difficulty getting sufficient information to offer financial products.

Sub questions

Question Number : 186  Question Id : 6672694762  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0

Whom does the passage exclude in the category of “the excluded”?

(1) the small
(2) the poor
(3) the illiterate
(4) the remote

Options :
1. ✗ 1
2. ✗ 2
3. ✔ 3
4. ✗ 4

Question Number : 187  Question Id : 6672694763  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical
Correct Marks : 1  Wrong Marks : 0
What is the main reason for economic exclusion?

(1) the backwardness of the people
(2) the difficulty in offering profitable financial services
(3) the lack of money with the poor
(4) the undeveloped financial resources

Options:
1. ✔ 1
2. ✔ 2
3. ✔ 3
4. ✔ 4

Which is not stated as a common feature of the excluded?

(1) not having a regular source of income
(2) not owning property
(3) doing financial transactions informally
(4) being financially illiterate

Options:
1. ✔ 1
2. ✔ 2
3. ✔ 3
4. ✔ 4

Why does the banker have difficulty in getting sufficient information about his customers?

(1) he does not understand their language
(2) he belongs to the same region as his customers
(3) he is not local to the region
(4) he does not have time

Options:
1. ✔ 1
2. ✔ 2
3. ✔ 3
What does the term ‘impediments’ mean?

(1) drawbacks
(2) apparatus
(3) barriers
(4) implications

Options:
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Sub-Section Number: 7
Sub-Section Id: 667269480
Question Shuffling Allowed: Yes

Question Id: 6672694767
Question Type: COMPREHENSION
Sub Question Shuffling Allowed: Yes
Group Comprehension Questions: No
Question Numbers: (191 to 195)
Read the following passage and answer questions

Every Olympic athlete, every leader, and very human being has a little known brain part in common: a Quit Switch. Some people out of lifelong habit throw the quit switch at the first sign of frustration. Their day of phone calls gets frustrating, so they throw the switch and go for coffee with a co-worker for two hours of sympathetic negativity. Everyone has a Quit Switch. Not everyone knows it. Get to know it; notice yourself flipping the switch. You can’t quit and you won’t quit until you throw the switch. A human being is built like any animal to persist until a goal is reached. Somewhere along the way, though, we learn about this little switch. Soon, we start flipping the switch. We quit. If you weren’t in the habit of throwing the switch too early, you would achieve virtually any goal you ever set. Whether you flip it early or late is only habit.

The switch flipping habit is misinterpreted as lack of will power, courage, drive or desire, but that is nonsense. It’s a habit and like any other habit, it can be replaced with another habit. Make it your habit not to throw the Quit Switch early in any process.

Sub questions

What is a ‘Quit Switch’?

(1) an electric point
(2) a sudden desire to give up
(3) a portable gadget
(4) a sudden feeling of happiness

Options:
1. ✔ 1
2. ✔ 2
3. ✔ 3
4. ✔ 4
What are most people unaware of?

1. that no one is infallible
2. that success comes to one and all
3. that permission is uncommon
4. that failure is inevitable

Options:
1. ✔
2. ✗
3. ✔
4. ✔

When do people use the ‘Quit Switch’?

1. when they are too lazy
2. when they are too busy
3. when they are frustrated
4. when they do not want to work

Options:
1. ✔
2. ✗
3. ✔
4. ✗

Why is it unnatural to ‘Quit’?

1. it is a flaw
2. it is a solution
3. it is normal
4. persistence is in-built in humans

Options:
1. ✗
2. ✔
Why can the ‘Quit Switch’ be overcome?

(1) because it is a habit
(2) because it is lack of will power
(3) because it is lack of courage
(4) because it is lack of motivation
Read the following and answer questions

From the very first day of my stay with him Gokhale made me feel completely at home. He treated me as though I were his younger brother. He acquainted himself with all my requirements and arranged to see that I got all I needed. Fortunately my wants were few and as I had cultivated the habit of self-help, I needed very little personal attendance. He was deeply impressed with my habit of tending for myself, my personal cleanliness, perseverance and regularity, and would often overwhelm me with praise.

He seemed to keep nothing private from me. He would introduce me to all the important people that called on him. This is how he introduced Dr. Ray: “This is Prof. Ray who having a monthly salary of Rs. 800, keeps just Rs.40 for himself and devotes the balance to public purposes. He is not, and does not want to get married.”

To see Gokhale at work was as much a joy as an education. He never wasted a minute. His private relations and friendships were all for public good. India’s poverty and subjection were matters of constant and intense concern to him.

Sub questions

According to the passage, how old is the author?

(1) as old as Gokhale
(2) older than Gokhale
(3) younger than Gokhale
(4) younger than Gokhale’s brother
Why were the author’s requirements few?

1. he was a clean man
2. he was self-reliant
3. he was a public figure
4. he was a guest at Gokhale’s house

How much did Dr. Ray spend every month for purpose?

1. Rs. 800
2. Rs.40
3. Rs.760
4. Rs.740

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

What does the phrase “called on” in the passage mean?

1. phoned
2. spoke to
3. called him by name
4. visited
Question Number : 200  Question Id : 6672694778  Question Type : MCQ  Option Shuffling : No  Display Question Number : Yes  Single Line Question Option : No  Option Orientation : Vertical  Correct Marks : 1  Wrong Marks : 0

Identify the false statement about Gokhale.

(1) He never wasted his time
(2) He was never concerned with India’s freedom
(3) He was deeply concerned with India’s poverty
(4) He worked for public good

Options :

1. ✗ 1
2. ✔ 2
3. ✗ 3
4. ✗ 4