

Sections

01. English Ability

02 / 17 attempted

02. Critical Reasoning and Problem
Solving

00 / 18 attempted

03. Abstract Reasoning

02 / 15 attempted

04. Common Applications and MS office

00 / 12 attempted

05. Pseudo Code

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06. Networking Security and Cloud

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Submit**05. Pseudo Code**

18 questions, 1 mark each

Q 63. What will be the output of the following pseudo code for a=0, b=8?

```
1.  
2. Integer funn(Integer a, Integer b)  
3.     if(2<b && 1b)  
4.         b=a+2  
5.         b=3+a+b  
6.         return funn(b+b,a)+funn(b,a)  
7.     End if  
8.     return a-1
```



Note- &&: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.

Ops:

- A. 13
- B. 29
- C. -3
- D. 20

Q 64. What will be the output of the following pseudo code for a=4, b=1?

```
1.  
2. Integer funn(Integer a, Integer b)  
3.     if((2^a)>(a+b) && a>b)  
4.         b=b+2  
5.         b=1+3+a  
6.         return funn(a,a)+funn(a+1,a)  
7.     End if  
8.     return b
```

Note- &&: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.



\wedge is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:
- A. 20
 - B. 9
 - C. 8
 - D. 3

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01. English Ability

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02. Critical Reasoning and Problem Solving

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04. Common Applications and MS office

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06. Networking Security and Cloud

02 / 10 attempted

Q 65. What will be the output of the following pseudo code for $a=8$, $b=1$?

- 1.
2. Integer funn(Integer a, Integer b)
3. if((a-7)>(b&a) && (3-b)>(b-a))
4. b=(b+3)+b
5. b=2+a+a
6. return funn(a,a)+1+funn(a,b)-a
7. End if
8. return b-1

Note- **&&**: Logical AND - The logical AND operator (**&&**) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise. 

&: bitwise AND - The bitwise AND operator (**&**) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:**
- A. 26
 - B. 21
 - C. 10
 - D. 17

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Instructions

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02. Critical Reasoning and Problem

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05. Pseudo Code

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06. Networking Security and Cloud

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Q 67. What will be the output of the following pseudo code?

1. Integer p,q,r
2. Set p=8, q=4, r=9
3. for(each r from 2 to 3)
4. q=(p+10)+r
5. q=3^q
6. q=q+r
7. q=(q+1)^q
8. End for
9. Print p+q

Note- ^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:
- A. 7
 - B. 13
 - C. 11
 - D. 18

Submit

02. Critical Reasoning and Problem Solving

18 questions, 1 mark each

- Q 18.** There is a statement followed by three assumptions numbered I, II and III. You have to consider which of the following assumptions is implicit in the statement.

Statement: The collective responsibility to reduce carbon emissions, promote sustainable practices, and raise environmental awareness has never been more crucial for the well-being of our planet and future generations.

Assumptions:

- I. Environmental awareness is crucial for our planet.
- II. Sustainable practices should be promoted.
- III. Carbon emissions should be increased collectively.



Ops: A. Only assumption I is implicit.

B. Both assumptions I and II are implicit.

C. None of the assumptions are implicit.

D. Only assumption II is implicit.

Read the information given below carefully and answer the questions that follow.

Six persons namely - K, L, M, N, O and P are comparing the number of mangoes which they bought

Q 23. Which of the following Cats is (are) slimmer and wetter than Cat E?

- Ops:**
- A. Cat F
 - B. Cat B
 - C. Cat G
 - D. Cat D
-

Q 24. Which of the following Cats is (are) both fatter and wetter than Cat G?

- Ops:**
- A. Cat D
 - B. Cat F and Cat C
 - C. Cat C
 - D. Cat F
- ↓
-

Q 25. Which of the following Cat is driest?

- Ops:**
- A. Cat E
 - B. Cat C
 - C. Cat D
 - D. Cat F
-



11:27

83%



Q 71. What will be the output of the following pseudo code?

```
1. Integer p,q,r  
2. Set p=5, q=4, r=6  
3. if((6+r)^(7+p)>(q^p))  
4.     r=q&r  
5. Else  
6.     if((q-p)>(p+q))  
7.         q=p+r  
8.         p=(r+3)+r  
9.     End if             
10. End if  
11. Print p+q+r
```

Note- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

[^] is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second

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Q 69. What will be the output of the following pseudo code?

1. Integer a,b,c
2. Set a=0, b=3, c=4
3. b=(b+3)+a
4. if(2>c && (c&b)<a)
5. if((c+b)>(a-c))
6. a=c+c
7. End if
8. b=5&b
9. c=(2+9)+b
10. End if
11. Print a+b+c



Note- **&&**: Logical AND - The logical AND operator (**&&**) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.

&: bitwise AND - The bitwise AND operator (**&**) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

Submit**Ops:** A. ○ 8

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04. Common Applications and MS office

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06. Networking Security and Cloud

02 / 10 attempted

Submit**Q 68.** What will be the output of the following pseudo code?

1. Integer pp,qq,rr
2. Set pp=0, qq=4, rr=7
3. if((pp+qq)<rr && (qq+rr)<rr)
4. qq=(pp+2)+qq
5. if(rr>qq)
6. qq=(rr+rr)+qq
7. End if
8. End if
9. Print pp+qq+rr

Note- &&: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.

- Ops:**
- A. 10
 - B. 11
 - C. 14
 - D. 18

Read the information given below carefully and answer the questions that follow.

Six persons namely - K, L, M, N, O and P are comparing the number of mangoes which they bought.

- (i) L bought more number of mangoes than M and K.
- (ii) O bought 15 mangoes more than L but not the highest.
- (iii) K bought 30 mangoes but not the least.
- (iv) There are only two persons who bought less number of mangoes than O and more number of mangoes than K.
- (v) P bought less number of mangoes than N.
- (vi) Neither L nor P bought the third least number of mangoes.

Q 19. Who bought the highest number of mangoes?

- Ops:**
- A. M
 - B. P
 - C. K
 - D. N

Q 20. If O bought 56 mangoes, then who among the following could have bought 40 mangoes?

- Ops:**
- A. L

Q 26. Which of the following statements must be false:

- I. Cat D is drier than Cat C
- II. Cat F is wetter than Cat D
- III. Cat D is three inches fatter than Cat G

Ops: A. Only III

B. Only I

C. Only I and II

D. Only II

Q 27. The statement given below is followed by two conclusions. Assume the statement is true, even if it contradicts commonly known facts, and determine the conclusion/s that logically follow/s from the statement.

Statement: Read the Terms and conditions for an investment properly.

Conclusions:

- I. Reading Terms and conditions help in saving the money.
- II. Reading Terms and conditions helps in understanding any pros and cons.

Ops: A. Both conclusion I and conclusion II follow

B. Only conclusion II follows

Sections

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05. Pseudo Code

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06. Networking Security and Cloud

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Q 20. If O bought 56 mangoes, then who among the following could have bought 40 mangoes?

Ops: A. L

B. M

C. N

D. P

Q 21. If L bought 74 mangoes, then who among the following could have bought 95 mangoes?

Ops: A. P

B. Either N or O

C. O

D. N

Read the information given below carefully and answer the questions that follow.

Alex and Felix have six Cats in their farm house in Arizona. The cats roam around the farm house during the day time while they both went to watch a Action movie in multiplex. When they returned back to their farm house, they recorded the following facts about their cats as stated below:

```
1.  
2. Integer funn(Integer a, Integer b)  
3.     if(b<4 && (b^a)>(a-b))  
4.         a=2+a+b  
5.         b=a+1  
6.         return funn(b+b,a)+funn(a,a)  
7.     End if  
8.     return b+1
```

Note- &&: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.

\wedge is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:
- A. 42
 - B. 31
 - C. 30
 - D. 23

Q 53. What feature in MS Word allows you to capture and reuse predefined portions of a document, including text, graphics, and formatting?

- Ops:**
- A. Templates
 - B. Styles
 - C. Building Blocks
 - D. Macros

Q 54. In Microsoft Word, how can you create a Master Document?

- Ops:**
- A. By inserting a table of contents at the beginning of the document
 - B. Using the 'References' tab and selecting 'Master Document'
 - C. Through the 'View' tab by choosing 'Outline View', then 'Show Document' to create a master document
 - D. It's not possible to create a Master Document in Word



Q 55. What is the name of the following feature in MS Excel?



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04. Common Applications and MS office
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02 / 18 attempted

06. Networking Security and Cloud
10 / 10 attempted

Submit

04. Common Applications and MS office

12 questions, 1 mark each

Q 51. What is the shortcut for moving to end of a row in MS Excel?

- Ops:** A. CTR+END
B. SHIFT+END
C. CTR+ALT
D. SHIRF+END

Q 52. In PowerPoint, what feature enables you to create a custom slide show within the main presentation?

- Ops:** A. Slide Sorter
B. Slide Master
C. Custom Slide Show
D. Custom Animation

Q 53. What feature in MS Word allows you to capture and reuse predefined portions of a document, including text, graphics, and formatting?

- Ops:** A. Templates

02. Critical Reasoning and Problem Solving

04 / 18 attempted

03. Abstract Reasoning

11 / 15 attempted

04. Common Applications and MS office

01 / 12 attempted

05. Pseudo Code

02 / 18 attempted

06. Networking Security and Cloud

10 / 10 attempted

Submit

- Ops:**
- A. Text Merge
 - B. Number Editor
 - C. Superscript or Subscript
 - D. Exponent Feature

Reset

Q 60. How can you insert a video into a PowerPoint presentation?

- Ops:**
- A. Insert tab > Video
 - B. Insert tab > Picture
 - C. Design tab > Video
 - D. Insert tab > Chart



Q 61. In Excel what formula can you use to count the number of cells in a range that contain numbers?

Q 28. The question given below is followed by two statements. Determine if the statements are, individually or together, sufficient to answer the question.

Question: Five friends P, Q, R, S, T are standing in a row. Who is the middle one?

Statements :

1. R, who is third to the left of S, is to the immediate right of P and second to the left of T.
2. R, is second to the left of T, who is not at any of the ends and who is third to the right of P. S is at one of the ends.

Ops: A. Each statement alone is sufficient to answer the question.

B. Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

C. Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.

D. Only one of the statements, alone, is sufficient to answer the question but other statement is not.

Q 29. The statements given below are followed by four conclusions. Assume the statements are **true**, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statements logically.

Statements :

Statement I: All the students in the class are honest.

Statement II: Some of the students in the class are dishonest.

Statement III: No student in the class is dishonest.

Statement IV: All the students in the class are dishonest.



11:28

82%



- Merge Cells
- Swap Cells
- Format Cells
- Swap Text

Q 56. What is the advantage of using the 'Presenter View' in PowerPoint during a presentation?

- Ops:**
- It shows you the current slide, the next slide, and your speaker notes, to help you focus while presenting and connect with your audience.
 - It enhances the resolution of the slides
 - It allows the presenter to control the audience's view
 - It displays the presentation in full screen mode

Q 57. What is the primary reason for regularly updating an Operating System?

- Ops:**
- To add new hardware support

Q 27. The statement given below is followed by two conclusions. Assume the statement is true, even if it contradicts commonly known facts, and determine the conclusion/s that logically follow/s from the statement.

Statement: Read the Terms and conditions for an investment properly.

Conclusions:

- I. Reading Terms and conditions help in saving the money.
- II. Reading Terms and conditions helps in understanding any pros and cons.

Ops: A. Both conclusion I and conclusion II follow

B. Only conclusion II follows

C. Neither conclusion I nor conclusion II follows

D. Only conclusion I follows

Q 28. The question given below is followed by two statements. Determine if the statements are, individually or together, sufficient to answer the question.

Question: Five friends P, Q, R, S, T are standing in a row. Who is the middle one?

Statements :



11:28

82%



Q 64. What will be the output of the following pseudo code for a=4, b=1?

```
1.  
2. Integer funn(Integer a, Integer b)  
3.     if((2^a)>(a+b) && a>b)  
4.         b=b+2  
5.         b=1+3+a  
6.         return funn(a,a)+funn(a+1,a)  
7.     End if  
8.     return b
```

Note- &&: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.



\wedge is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:
- A. 20
 - B. 9
 - C. 8
 - D. 3

Q 65. What will be the output of the following pseudo code for $a=8$, $b=17$

```
1.  
2. Integer funn(Integer a, Integer b)  
3.     if((a-7)>(b&a) && (3-b)>(b-a))  
4.         b=(b+3)+b  
5.         b=2+a+a  
6.         return funn(a,a)+1+funn(a,b)-a  
7.     End if  
8.     return b-1
```

Note- **&&**: Logical AND - The logical AND operator (**&&**) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.



&: bitwise AND - The bitwise AND operator (**&**) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:**
- A.
 - B.
 - C.
 - D.

Instructions

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04. Common Applications and MS office

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05. Pseudo Code

02 / 18 attempted

06. Networking Security and Cloud

10 / 10 attempted

Q 60. How can you insert a video into a PowerPoint presentation?

- Ops:
- A. Insert tab > Video
 - B. Insert tab > Picture
 - C. Design tab > Video
 - D. Insert tab > Chart

Q 61. In Excel, what formula can you use to count the number of cells in a range that contain numbers?

- Ops:
- A. COUNTA()
 - B. COUNTIF()
 - C. SUM()
 - D. COUNT()

Q 62. What is the name of following feature in PowerPoint?

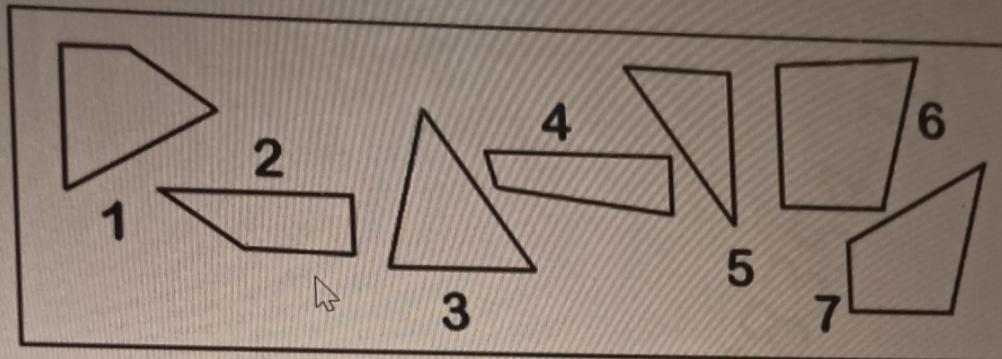


Submit

- Ops:
- A. Design

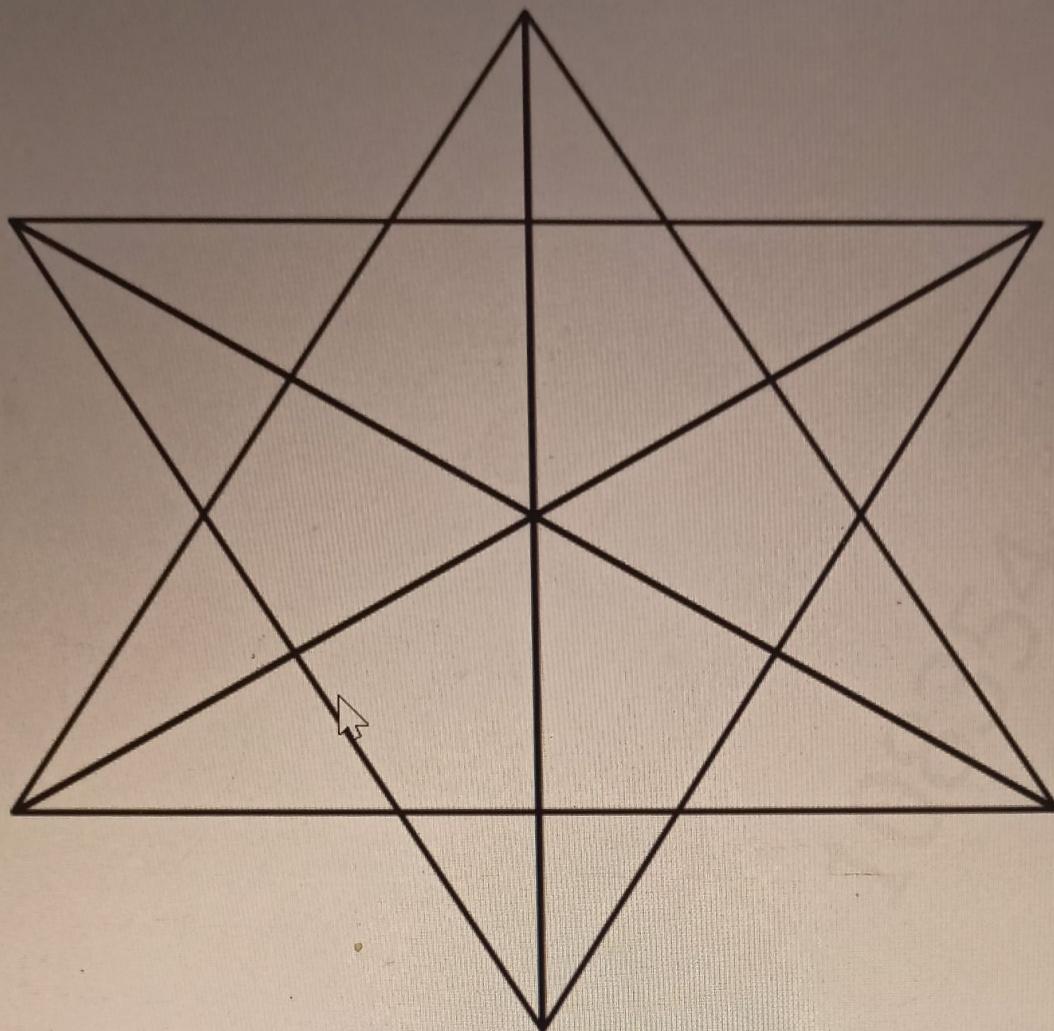
Reset

Q 40. Choose the option that depicts 5 out of the 7 alternative figures which, when assembled together, would form a complete square.



- Ops:**
- A. 13567
 - B. 25671
 - C. 12357
 - D. 43261

Q 42. Count the number of triangles in the given image.



- Ops:**
- A. 42
 - B. 44
 - C. 50

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04. Common Applications and MS office

01 / 12 attempted

05. Pseudo Code

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06. Networking Security and Cloud

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- Ops:**
- A. COUNTA()
 - B. COUNTIF()
 - C. SUM()
 - D. COUNT()

Q 62. What is the name of following feature in PowerPoint?



- Ops:**
- A. Design
 - B. Animate
 - C. Show/Hide
 - D. Shape Style



Submit

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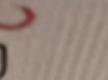
10 / 10 attempted

Submit

C. To improve the user interface design

D. To fix security vulnerabilities and improve performance

Q 58. What is the name of the following feature in PowerPoint?



Ops: A. Cursor Draw

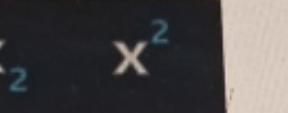
B. Text Colour

C. Colour the Box

D. Draw with Touch



Q 59. What is the name of the following features in MS Word?



- B. It enhances the resolution of the slides
- C. It allows the presenter to control the audience's view
- D. It displays the presentation in full-screen mode

Q 57. What is the primary reason for regularly updating an Operating System?

- Ops:**
- A. To add new hardware support
 - B. To increase the storage capacity
 - C. To improve the user interface design
 - D. To fix security vulnerabilities and improve performance



Q 58. What is the name of the following feature in PowerPoint?



Q 58. Cursor Draw



11:44



What will be the output of the following pseudo code?

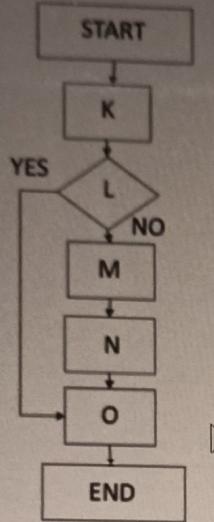
```
1. Integer p,q,r
2. Set p=5, q=4, r=6
3. if((6+r)^(7+p)>(q^p))
4.     r=q&r
5. Else
6.     if((q-p)>(p+q))
7.         q=p+r
8.         p=(r+3)+r
9.     End if
10. End if
11. Print p+q+r
```

Note- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

[^] is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second

Study the flow given in the following diagram and answer the questions that follow.

BOX NO:	1	2	3	4	5	6	7	8	9	10
VALUE:	10	25	60	35	85	45	4	5	10	25



K: Multiply (value in box 7) x (value in box 8). Place result in Box 2

L: Is (value in box 1) < (value in box 4)

M: Add (value in box 10) + (value in box 3). Place the result in box 1

N : Subtract (value in box 10) - (value in box 8). Place the result in box 4

O : Divide (value in box 3) / (value in box 9). Place the result in box 8

Q 30. What will be the remaining value in Box 1 at the end of the flowchart?

- Ops:**
- A. 24
 - B. 56
 - C. 10

Q 29. The statements given below are followed by four conclusions. Assume the statements are true, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statements logically.

Statements :

Statement 1: Some fairs are festivals.

Statement 2: All festivals are weddings.

Statement 3: Some weddings are foods.

Conclusions :

Conclusion 1: Some fairs are foods.

Conclusion 2: Some fairs are weddings.

Conclusion 3: Some weddings are festivals.

Conclusion 4: No food is a fairs.

Ops: A. All follows

B. Only Conclusion 2 and 3 follows

C. Only either Conclusion 1 or 4 and Conclusion 2 and 3 follows

D. Only either Conclusion 1 or Conclusion 2, 3 and 4 follows

Study the flow given in the following diagram and answer the questions that follow

Q 31. What will be the difference between the values of Box 8 and Box 7 at the end of the flowchart?

- Ops:
- A. 5
 - B. 4
 - C. 2
 - D. 6

Q 32. At the end of the flowchart, which of the following boxes will have the highest remaining value?

- Ops:
- A. Box 1
 - B. Box 4
 - C. Box 9
 - D. Box 5

Q 33. Directions - In the following question, a statement is given followed by three possible conclusions based on it. Mark the option which is correct regarding these sets of Statement-Conclusions.

Statement: Pluto, formerly considered as the ninth planet and now classified as a dwarf planet, has a heart-shaped region on its surface known as Tombaugh Region. This icy heart is made up of nitrogen, methane, and carbon monoxide.

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Q 33. Directions - In the following question, a statement is given followed by three possible conclusions based on it. Mark the option which is correct regarding these sets of Statement-Conclusions.

Statement: Pluto, formerly considered as the ninth planet and now classified as a dwarf planet, has a heart-shaped region on its surface known as Tombaugh Region. This icy heart is made up of nitrogen, methane, and carbon monoxide ices. Pluto is the planet which is away from sun.

Conclusions:

- I. Pluto is a heart shaped planet in the solar system.
- II. Ninth planet in the solar system is a dwarf planet.
- III. Tombaugh Region is composed of nitrogen and oxygen.

Ops: A. Only conclusion I follows.

B. Only conclusion II follows.

C. Only conclusion I and conclusion III follow.

D. None of the conclusions follow.

Q 34. In the following question, a statement is given followed by three possible conclusions based on it. Mark the option which

D. None of the conclusions follow.

Q 34. In the following question, a statement is given followed by three possible conclusions based on it. Mark the option which is correct regarding these sets of Statement - Conclusions.

Statement: The rapid evolution of technology has transformed every facet of modern society. Technology has become an inseparable part of our daily lives. While it brings unprecedented convenience and connectivity, it also raises concerns about privacy.

Conclusions:

- I. Technology cannot be separated from our lives.
- II. Privacy issues can be faced with rapid evolution of technology.
- III. Technology helps in maintaining connectivity around us.

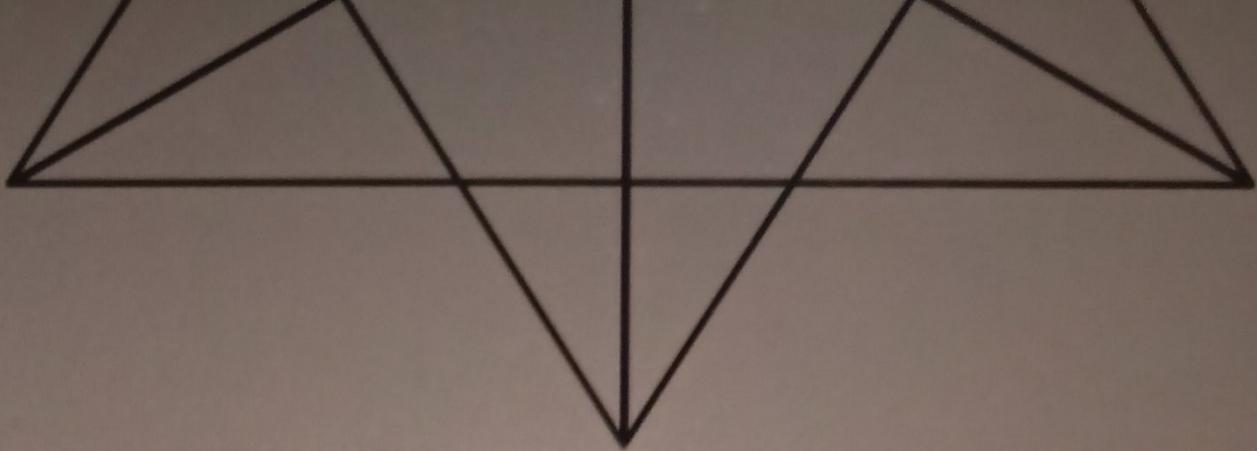
Ops: A. Only conclusion I follows.

B. Only conclusion I and conclusion II follow.

C. Only conclusion II follows.

D. All the conclusions follow.

Q 35. The statements given below are followed by two conclusions. Assume the statements are true, even if they contradict



- Ops:** A. 42
B. 44
C. 50
D. 32



Q 43. Find the missing term.

708, 974, 1241, 1509, ?, 2048

- Ops:** A. 1773
B. 1758
C. 1678
D. 1778

Q 35. The statements given below are followed by two conclusions. Assume the statements are true, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statements logically.

Statements:

- I. All pens are pencils.
- II. Some pencils are markers.

Conclusions:

- I. Some markers are pens.
- II. Some markers are pencils.

- Ops:**
- A. Only conclusion I follows
 - B. Both conclusions I and II follow
 - C. Neither conclusion I nor II follows
 - D. Only conclusion II follows

SECTION 01/06

Previous Section

SECTION 03/06

Next Section

- Ops:**
- A. By inserting a table of contents at the beginning of the document
 - B. Using the 'References' tab and selecting 'Master Document'
 - C. Through the 'View' tab by choosing 'Outline View', then 'Show Docu
 - D. It's not possible to create a Master Document in Word
-

Q 55. What is the name of the following feature in MS Excel?



- Ops:**
- A. Merge Cells
 - B. Swap Cells
 - C. Format Cells
 - D. Swap Text
-



D. Custom Animation

Reset

Q 53. What feature in MS Word allows you to capture and reuse predefined portions of a document, including text, graphics, and formatting?

- Ops:**
- A. Templates
 - B. Styles
 - C. Building Blocks
 - D. Macros
-

Q 54. In Microsoft Word, how can you create a Master Document?

- Ops:**
- A. By inserting a table of contents at the beginning of the document
 - B. Using the 'References' tab and selecting 'Master Document'
 - C. Through the 'View' tab by choosing 'Outline View', then 'Show Document' to create a master document
 - D. It's not possible to create a Master Document in Word
-

Instructions

Sections

01. English Ability

08 / 17 attempted

02. Critical Reasoning and Problem Solving

10 / 18 attempted

03. Abstract Reasoning

15 / 15 attempted



04. Common Applications and MS office

12 / 12 attempted

05. Pseudo Code

02 / 18 attempted

06. Networking Security and Cloud

10 / 10 attempted

05. Pseudo Code

Q 63. What will be the o

- 1.
2. Integer
3. if
- 4.
- 5.
- 6.
7. End
8. ret

Note- &&: Logical AND
and return false (or

- Ops:
- A. 13
 - B. 29
 - C. -3
 - D. 20

Submit

01. Classical Array Problem

10 marks

01.

Problem Statement

02.

You are given two arrays **arr1** and **arr2** of size **N** and **M** respectively. Your task is to perform the following operations:

- Find the intersection of the two arrays, which includes all elements that are common to both arrays.
- Find the union of the two arrays, which includes all unique elements from both arrays, with duplicates removed.

Print the intersection and union as separate arrays.

Note:

- The input arrays can contain duplicate elements.
- The intersection and union arrays should be sorted in ascending order.
- If no elements are found in either the intersection or union, print -1 for that array.
- No duplicate elements should be present in the output arrays.



Input Format:

The input consists of three lines:

- The first line contains two space separated integers **N** and **M** represents length of each array.
- The second line consists **N** space separated integers denoting elements elements of array **arr1**.
- The third line consists **M** space separated integers denoting elements elements of array **arr2**.

The input will be read from the STDIN by the candidate

Output Format:

The output consists of two lines:

- The first line consists space separated elements of intersection array.
- The second line consists space separated elements of union array.

Note:

01.

- The input arrays can contain duplicate elements.
- The intersection and union arrays should be sorted in ascending order.
- If no elements are found in either the intersection or union, print -1 for that array.
- No duplicate elements should be present in the output arrays.

02.

Input Format:

The input consists of three lines:

- The first line contains two space separated integers **N** and **M** represents length of each array.
- The second line consists **N** space separated integers denoting elements elements of array **arr1**.
- The third line consists **M** space separated integers denoting elements elements of array **arr2**.

The input will be read from the STDIN by the candidate

Output Format:

The output consists of two lines:

- The first line consists space separated elements of intersection array.
- The second line consists space separated elements of union array.

The output will be matched to the candidate's output printed on the STDOUT

Constraints:

- $1 \leq N \leq 10^4$
- $1 \leq M \leq 10^4$
- $-10^9 \leq arr1[i], arr2[i] \leq 10^9$

Example:

04. Common Applications and MS office
12 / 12 attempted

05. Pseudo Code
03 / 18 attempted

06. Networking Security and Cloud
0 / 10 attempted

Submit

D. Cat D only

Reset

Q 23. Which of the following Cats is (are) slimmer and wetter than Cat E?

- Ops:**
- A. Cat F
 - B. Cat B
 - C. Cat G
 - D. Cat D

Explanation:

The intersection of arr1 and arr2 contains the elements that are common to both arrays, which is [1].

The union of arr1 and arr2 contains all unique elements from both arrays, with duplicates removed, resulting in [1, 2, 3, 4, 5, 7, 8].

Sample input

```
4 4  
2 4 6 8  
1 3 5 7
```

Sample Output

```
-1  
1 2 3 4 5 6 7 8
```

Instructions :

- Program should take input from standard input and print output to standard output.
- Your code is judged by an automated system, do not write any additional welcome/greeting messages.
- "Save and Test" only checks for basic test cases, more rigorous cases will be used to judge your code while scoring.
- Additional score will be given for writing optimized code both in terms of memory and execution time.

Now let's start coding :

02. Identify maximum integer in a string

01.

Problem Statement

02.

You are given a string **str** of length **n**. Your task is to find and print the maximum integer present in the string **str**. An integer is derived by consecutive digit characters of string.

Note:

- Print -1 if no integer is found.
- If string is empty then print -2.

Input Format:

The input consists of two lines:

- The first line contains an integer, i.e. **n**.
- The second line contains the string **str**.

The input will be read from the STDIN by the candidate

Output Format:

Print the maximum integer present in the string **str**. Print -1 if no integer is found, if string is empty then print -2.

The output will be matched to the candidate's output printed on the STDOUT

Constraints:

- $1 \leq n \leq 100000$.

Example:

Input:

39

33 milestone is either 12 or 75 km away

Print the maximum integer present in the string str. Print -1 if no integer is found, If string is empty then print -2.
The output will be matched to the candidate's output printed on the STDOUT

Constraints:

- $1 \leq n \leq 100000$.

Example:

Input:

39



33 milestone is either 12 or 75 km away

Output:

75

Explanation:

str have 3 integers '33', '12' and '75', since 75 is maximum, output is 75.

Sample input

29

I have 8 500g packets of rice

Sample Output

500

Instructions :

01. English Ability
08 / 17 attempted

02. Critical Reasoning and Problem Solving
04 / 18 attempted

03. Abstract Reasoning
11 / 15 attempted

04. Common Applications and MS office
01 / 12 attempted

05. Pseudo Code
02 / 18 attempted

06. Networking Security and Cloud
10 / 10 attempted

- Ops:
- A. COUNTA()
 - B. COUNTIF()
 - C. SUM()
 - D. COUNT()

Q 62. What is the name of following feature in PowerPoint?



- Ops:
- A. Design
 - B. Animate
 - C. Show/Hide
 - D. Shape Style

Submit

SECTION 03/06
Previous Section

SECTION 05/06
Next Section

29

I have 8 500g packets of rice

Sample Output

500

Instructions :

- Program should take input from standard input and print output to standard output.
- Your code is judged by an automated system, do not write any additional welcome/greeting messages.
- "Save and Test" only checks for basic test cases, more rigorous cases will be used to judge your code while scoring.
- Additional score will be given for writing optimized code both in terms of memory and execution time.

Now let's start coding :

Language: C++ (Gcc 11 ▾)

```
1  
2 #include<iostream>  
3 using namespace std;  
4 int main()
```

Read the information given below carefully and answer the questions that follow.

Alex and Felix have six Cats in their farm house in Arizona. The cats roam around the farm house during the day time while they both went to watch a Action movie in multiplex. When they returned back to their farm house, they recorded the following facts about their cats as stated below:

- (i) Cat B is fatter than Cat G and Drier than Cat E.
- (ii) Cat C is slimmer than Cat F and wetter than Cat G.
- (iii) Cat D is fatter than Cat B and wetter than Cat G.
- (iv) Cat E is slimmer than Cat G and drier than Cat C.
- (v) Cat F is slimmer than Cat E and drier than Cat B
- (vi) Cat G is fatter than Cat F and wetter than Cat B.



Q 18. Which of the following Cats is (are) fatter than Cat E and drier than Cat G?

- Ops:**
- A. Cat B only
 - B. Cat D only
 - C. Cat F only
 - D. Both Cat F and Cat C

Q 19. Which of the following Cats is (are) slimmer and wetter than Cat E?

- Ops:**
- A. Cat D
 - B. Cat G

Q 19. Which of the following Cats is (are) slimmer and wetter than Cat E?

- Ops: A. Cat D
B. Cat G
C. Cat B
D. Cat F
-

Q 20. Which of the following Cats is (are) both fatter and wetter than Cat G?

- Ops: A. Cat C
B. Cat D
C. Cat F and Cat C
D. Cat F
-

Q 21. Which of the following Cat is driest?

- Ops: A. Cat E
B. Cat F
C. Cat D
D. Cat C
-

Q 22. Which of the following statements must be false:

- I. Cat D is drier than Cat C

English Ability
attempted

Critical Reasoning and Problem

attempted

Critical Reasoning

attempted

In Applications and MS office

attempted

Code

ed

Security and Cloud

!

- D. Cat C

Q 22. Which of the following statements must be false:

- I. Cat D is drier than Cat C
- II. Cat F is wetter than Cat D
- III. Cat D is three inches fatter than Cat G

- Ops:**
- A. Only I and II
 - B. Only I
 - C. Only III
 - D. Only II



Q 23. Directions - In the following question, a statement is given followed by three possible conclusions based on it. Mark the option which is correct regarding these sets of Statement-Conclusions.

Statement: Pluto, formerly considered as the ninth planet and now classified as a dwarf planet, has a heart-shaped region known as Tombaugh Region. This icy heart is made up of nitrogen, methane, and carbon monoxide ices. Pluto is the planet which is farthest from sun.

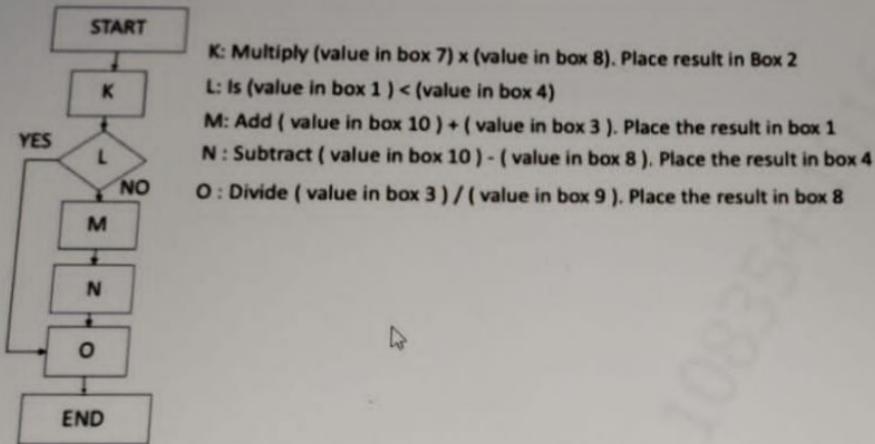
Conclusions:

- I. Pluto is a heart shaped planet in the solar system.
- II. Ninth planet in the solar system is a dwarf planet.
- III. Tombaugh Region is composed of nitrogen and oxygen.

Submit

Study the flow given in the following diagram and answer the questions that follow.

BOX NO:	1	2	3	4	5	6	7	8	9	10
VALUE:	10	25	60	35	85	45	4	5	10	25



Q 27. What will be the remaining value in Box 1 at the end of the flowchart?

- Ops:
- A. 10
 - B. 89
 - C. 56
 - D. 24

Q 27. What will be the remaining value in Box 1 at the end of the flowchart?

- Ops: A. 10
B. 89
C. 56
D. 24
-

Q 28. What will be the difference between the values of Box 8 and Box 7 at the end of the flowchart?

- Ops: A. 2
B. 4
C. 5
D. 6
-

Q 29. At the end of the flowchart, which of the following boxes will have the highest remaining value?

- Ops: A. Box 5
B. Box 1
C. Box 4
D. Box 9
-

Q 30. The question given below is followed by two statements numbered I and II. Determine if the statements are individually or together

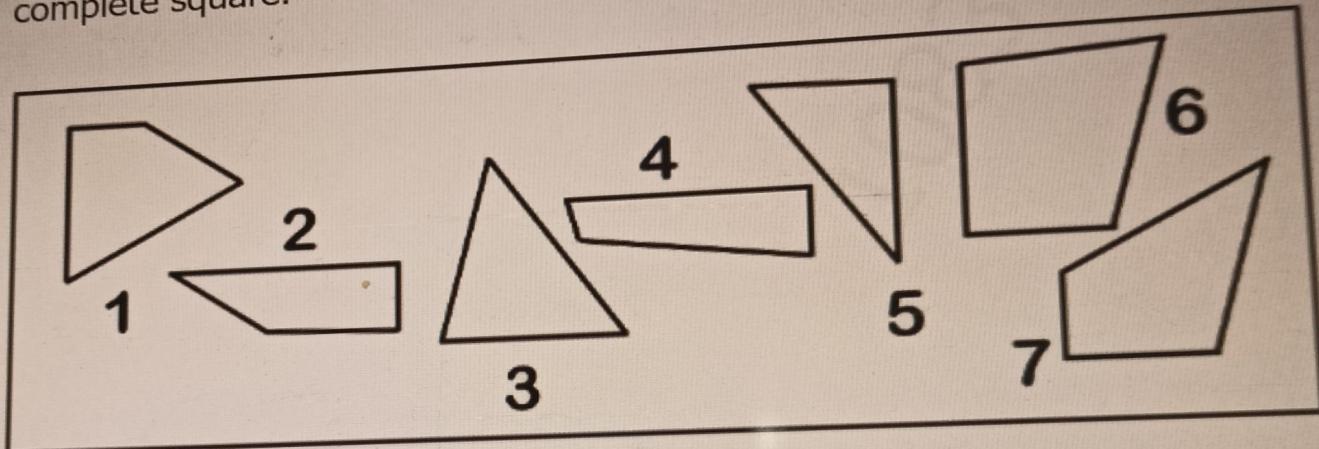
Please ...

Q 39. Which of the following option(s) completes the analogy given below.

Book : Library :: Artifact : ?

- Ops:
- A. School
 - B. Museum
 - C. Store
 - D. Factory

Q 40. Choose the option that depicts 5 out of the 7 alternative figures which, when assembled, complete square.



- Ops:
- A. 13567

- C. PWD
- D. QVG

Q 37. Find the next term in the series given below.

P45, R49, T53, ?

- Ops:**
- A. V57
 - B. U57
 - C. V56 ↗
 - D. U56

Q 38. Find the next term in the series given below.

ABC, BCB, CDA, ?

- Ops:**
- A. DEY
 - B. DCY
 - C. DCZ
 - D. DEZ

D. 32

Q 43. Find the missing term.

708, 974, 1241, 1509, ?, 2048

- Ops:**
- A. 1773
 - B. 1758
 - C. 1678
 - D. 1778 

Q 44. Find the missing term.

128, 768, 3840, 15360, ?, 92160

- Ops:**
- A. 46080
 - B. 46074
 - C. 46630
 - D. 46120

Q 45. If in a certain code language, FATHER is coded as EYQDZL. Then how would SISTER be coded in the same coded language?

- Ops:**
- A. TKVXJX
 - B. None of the mentioned options
 - C. RGPPZL
 - D. RGPQZL

Q 46. If in a certain code language, 'PARTNERSHIP' is coded as 'ANPRTEHIPRS'. Then how would 'CABINETRIES' be coded in the same coded language?

- Ops:**
- A. None of the mentioned options
 - B. ABCINEEIRST
 - C. ABCINETSRIE
 - D. NICBAEEIRST

Q 47. In a certain coded language, 'SECRET' is coded as 'CRETSE', then how would "CHOICE" be coded in the same code language?

Q 47. In a certain coded language, 'SECRET' is coded as 'CRETSE', then how would "CHOICE" be coded in the same code language?

- Ops:**
- A. OICECH
 - B. OHCEIC
 - C. OICHEC
 - D. XSLRYV
-

Q 48. Mark the odd one out.

- Ops:**
- A. Lizard
 - B. Turtle
 - C. Frog
 - D. Snake
-

Q 49. Choose the term that does not belong with the others.

- Ops:**
- A. Africa
 - B. China

Instructions

Sections

01. English Ability

01 / 17 attempted

02. Critical Reasoning and Problem

Solving

00 / 18 attempted

03. Abstract Reasoning

00 / 15 attempted

04. Common Applications and MS office

00 / 12 attempted

05. Pseudo Code

00 / 18 attempted

06. Networking Security and Cloud

00 / 10 attempted

Submit

Q 49. Choose the term that does not belong with the others.

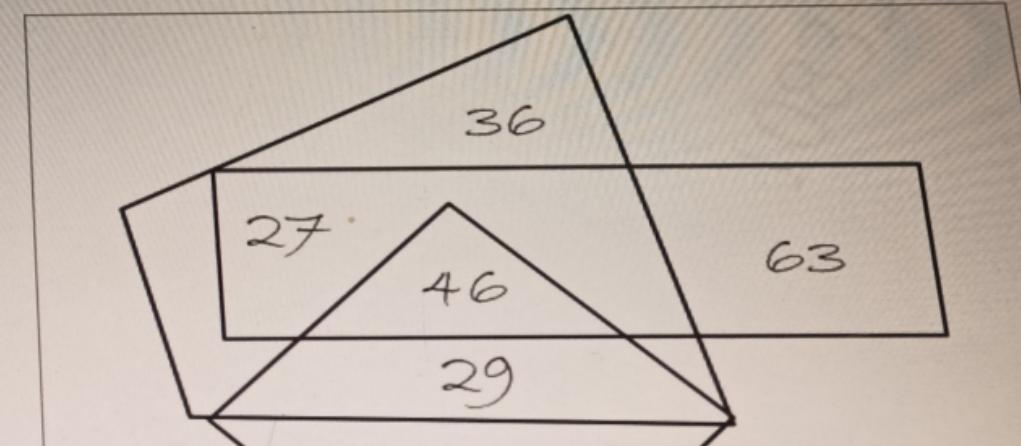
Ops: A. Africa

B. China

C. South America

D. Asia

Q 50. In the given Venn diagram, the diamond represents 'Engineers', the rectangle represents 'math students' and the trapezium represents 'girls'. The numbers given in the shapes represent the number of persons of that particular category. How many girls are Engineers but are NOT math students?



Sections

01. English Ability

01 / 17 attempted

02. Critical Reasoning and Problem Solving

00 / 18 attempted

03. Abstract Reasoning

00 / 15 attempted

04. Common Applications and MS office

00 / 12 attempted

05. Pseudo Code

00 / 18 attempted

06. Networking Security and Cloud

00 / 10 attempted

Submit

- D. Some specify that they should been the ten that first come to mind, others insist you ought to pick the ones that made the greatest impression.

Q 03. Mark the sentence that is grammatically correct.

- Ops:**
- A. I haven't taken up the challenge yet simply because my list is too vast and overwhelming.
 - B. I haven't took up the challenge yet simply because my list is too vast and overwhelming.
 - C. I haven't taken up the challenge yet simply because my list are too vast and overwhelming.
 - D. I haven't taken up the challenge yet simply because my list is too vast and overwhelmed.

Q 04. Mark the option containing the word that is **opposite in meaning** to the underlined word given below.

Ayesha was very disappointed with her choices and had to recalibrate her choices for her career.

- Ops:**
- A. modify
 - B. unchanged
 - C. amend
 - D. alter

Q 05. Fill in the blank with an appropriate option in the given sentence:

01. English Ability

01 / 17 attempted

02. Critical Reasoning and Problem Solving

00 / 18 attempted

03. Abstract Reasoning

00 / 15 attempted

04. Common Applications and MS office

00 / 12 attempted

05. Pseudo Code

00 / 18 attempted

06. Networking Security and Cloud

00 / 10 attempted

SubmitC. amendD. alter**Q 05.** Fill in the blank with an appropriate option in the given sentence:

The legal rights were _____ by the big shots of the industry.

Ops: A. proposedB. obtainedC. circulatedD. required**Q 06.** Choose the best replacement for the underlined part of the sentence.We left our to love home and city, moving to my mother's ancestral home in our village.**Ops:** A. lovesB. beloweC. beloved

01. English Ability

01 / 17 attempted

02. Critical Reasoning and Problem

Solving

00 / 18 attempted

03. Abstract Reasoning

00 / 15 attempted

04. Common Applications and MS office

00 / 12 attempted

05. Pseudo Code

00 / 18 attempted

06. Networking Security and Cloud

00 / 10 attempted

Submit**Q 07.** Choose the word that is closest in meaning to the word given below:**VIRTUOUS**

- Ops:** A. continous
B. monotonous
C. moralistic
D. straight



Read the passage given below and answer the questions that follow.

Indian history is a tapestry woven with threads of conquests, cultural exchanges, and revolutions, each event shaping the nation's identity over millennia. Among the pivotal moments, the Maurya Empire's rise stands as a beacon of ancient Indian power. Founded by Chandragupta Maurya in the 4th century BCE, it unified much of the Indian subcontinent under a single rule, fostering advancements in administration and trade.

Another watershed moment emerged with the Mughal Empire's zenith in the 16th century. Under Akbar the Great, the empire experienced unprecedented cultural flourishing, exemplified by his policy of religious tolerance and patronage of the arts.

What will be the output of the following pseudo code?

```
1. Integer p,q,r
2. Set p=5, q=4, r=6
3. if((6+r)^(7+p)>(q^p))
4.     r=q&r
5. Else
6.     if((q-p)>(p+q))
7.         q=p+r
8.         p=(r+3)+r
9.     End if
10. End if
11. Print p+q+r
```

Note- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

[^] is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second

Q 67. What will be the output of the following pseudo code?

1. Integer p,q,r
2. Set p=8, q=4, r=9
3. For(each r from 2 to 3)
4. q=(p+10)+r
5. q=3^q
6. q=q+r
7. q=(q+1)^q
8. End for
9. Print p+q

Note- ^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:
- A. 7
 - B. 13
 - C. 11
 - D. 18

```

1.
2. Integer funn(Integer a, Integer b)
3.   if(b<4 && (b^a)>(a-b))
4.     a=2+a+b
5.     b=a+1
6.   return funn(b+b,a)+funn(a,a)
7. End if
8. return b+1

```

Note- &&: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.

\wedge is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:
- A. 42
 - B. 31
 - C. 30
 - D. 23

```
1. Integer a,b,c
2. Set a=0, b=0, c=0
3. if((a&c&b)<(b&a))
4.     b=(b+8)&b
5.     if((a+b)<(b-a))
6.         b=b+c
7.     Else
8.         c=a+c
9.     End if
10. End if
11. Print a+b+c
```



Note- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

- Ops:
- A. 31
 - B. 15
 - C. -5
 - D. 19

Instructions

Sections

01. English Ability

02 / 17 attempted

02. Critical Reasoning and Problem Solving

00 / 18 attempted

03. Abstract Reasoning

02 / 15 attempted

04. Common Applications and MS office

00 / 12 attempted

05. Pseudo Code

00 / 18 attempted

06. Networking Security and Cloud

02 / 10 attempted

Submit

Q 69. What will be the output of the following pseudo code?

1. Integer a,b,c
2. Set a=0, b=3, c=4
3. b=(b+3)+a
4. if(2>c && (c&b)<a)
5. if((c+b)>(a-c))
6. a=c+c
7. End if
8. b=5&b
9. c=(2+9)+b
10. End if
11. Print a+b+c



Note- **&&**: Logical AND - The logical AND operator (**&&**) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.

&: bitwise AND - The bitwise AND operator (**&**) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

Ops: A. 8

Q 68. What will be the output of the following pseudo code?

```
1. Integer pp,qq,rr  
2. Set pp=0, qq=4, rr=7  
3. if((pp+qq)<rr && (qq+rr)<rr)  
4.     qq=(pp+2)+qq  
5.     if(rr>qq)  
6.         qq=(rr+rr)+qq  
7.     End if  
8. End if  
9. Print pp+qq+rr
```

Note- &&: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.

- Ops:
- A. 10
 - B. 11
 - C. 14
 - D. 18

Q 08. Choose the word that is **closest in meaning** to the word "tapestry" given in the passage?

- Ops:**
- A. weeds
 - B. garment
 - C. things
 - D. habit
-

Q 09. The tone of the passage is:

- Ops:**
- A. reflective
 - B. sarcastic
 - C. comic
 - D. laudatory
-

Q 10. The passage is most likely an excerpt from:

- Ops:**
- A. medical magazine
 - B. dictionary concept
 - C. historical article

- B. dictionary concept
- C. historical article
- D. digest article

Q 11. Fill in the blank with the most suitable option:



Most of _____ time, we are on autopilot.

- Ops:**
- A. the
 - B. on
 - C. an
 - D. a

Q 12. Fill in the blank with the most suitable option:

He _____ TV after finishing his homework.

- Ops:**
- A. on a watch

Q 12. Fill in the blank with the most suitable option:

He _____ TV after finishing his homework.

Ops: A. on a watch

B. watches

C. watched

D. watching



Q 13. Fill in the blank with the most suitable option:

He will wait at the church _____ midnight.

Ops: A. unless

B. at

C. over

D. until

Q 14. Which part of the sentence given below has an error in it?

- B. at
- C. over
- D. until

Q 14. Which part of the sentence given below has an error in it?



But I'd be a little sad / because love is about being / seen and known and I wasn't / seen in known by anyone.

- Ops:**
- A. seen in known by anyone
 - B. seen and known and I wasn't
 - C. but I'd be a little sad
 - D. because love is about being

Q 15. Choose the word that is opposite in meaning to the word given below:

HATE

- Ops:**
- A. angel