INSTRUCTIONS TO CANDIDATES
Read the following instructions carefully before you open the Question Booklet.

1. A separate OMR Answer Sheet is supplied for writing the answers. Write down your Application Form No. & 11 digit Roll Number on it as per your Admission Card and darken the appropriate circles on the answer sheet.

2. Check that Set Code (A, B, C or D) is printed on the Booklet and indicate your set code by blackening the appropriate circle in the OMR Answer Sheet.

3. Do not write anything in this Booklet except the 11 digit Roll No. However you can use the blank pages provided for the rough work at the end of this Booklet.

4. Start answering when you are told to do so. Do not turn the pages before that.

5. Answer all the questions. Each question has four probable answers of which one is correct. You have to choose the correct one and blacken your choice in the OMR Answer Sheet by a black/blue ball point pen. Use of pencil is not allowed. If your choice is second response then answer like this.

   A  B  C  D

6. For wrong answer, there is no deduction of marks. One mark shall be awarded for each correct response.

7. No mark will be awarded for a question if a candidate darkens more than one choice.

8. Return the Answer Sheet only to the invigilator as soon as the final bell rings.

9. English version of the Question Paper will be considered as final if any dispute arises in the translated version.

ASK FOR ANOTHER BOOKLET IF IT IS DEFECTIVE, BEFORE YOU START ANSWERING.
Directions for question number 1 to 2:
Choose the alternative which closely resembles the water-image of the given combination.

1. VAYU8436
   (A) वायु8436 (B) VAYU8436
   (C) वायु8436 (D) 8436

2. ACOUSTIC
   (A) अकूस्टिक (B) ACOUSTIC
   (C) अकूस्टिक (D) ACOUSTIC

Directions for question number 3 to 4:
Find out from the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

3. 
   (A) (B) (C) (D)

4. 
   (A) (B) (C) (D)
Directions for question number 5 to 7:

In each of the questions, there are some words translated from an artificial language. Study them and answer the attached question.

5. aptose means first base; eptaose means second base; lartabuk means ballpark. Which word could mean “baseball”?
   (A) buklarta  (B) oselarta  (C) bukose  (D) oseepa

6. kreklinblaf means work force; dritakrekin means groundwork; krekinalti means workplace. Which word could mean “someplace”?  
   (A) moropalti  (B) krekindrita  (C) altiblaf  (D) dritaalti

7. Plekapaki means fruitcake; pakishillen means cakewalk; treftalan means buttercup. Which word could mean “cupcake”?  
   (A) shillenalan  (B) treftpleka  (C) pakitret  (D) alanpakai

Directions for question number 8 to 10:

All the opposite faces of a big cube are colored with red, black and green. After that it is cut into 64 small equal cubes. then....

8. How many small cubes are there where one face is green and other one is either black or red?
   (A) 28  (B) 8  (C) 16  (D) 24
9. How many small cubes are there whose 3 faces are coloured?
   (A) 24  (B) 4
   (C) 16  (D) 8

10. How many small cubes are there whose no faces are coloured?
    (A) 0  (B) 8
    (C) 16  (D) 4

**Directions for question number 11 to 12:**

To which of the cubes in the alternatives can the figure (X) result when folded?

11. In which of the cubes can the figure (X) result, when folded?

   ![Diagram](attachment:image.png)

12. Which of the cubes in the alternatives can the figure (X) result when folded?

   ![Diagram](attachment:image.png)
13. In a family, the father took 1/4 of the cake and he had 3 times as much as each of the other members had. What is the total number of member in the family?

(A) 3  
(B) 7  
(C) 10  
(D) 12

14. In a certain code 'LATE' is written as '$%#@' and 'WIDE' is written as '*@Δ@'. Then how 'DIAL' will be coded?

(A) Δ@#$  
(B) Δ@%$  
(C) Δ@%$  
(D) Δ@%#

15. If 'SCOTLAND' is written as '12345678', LOAN is written as '8124' and DAN is written as '537', then what will be the code for 'C'?

(A) 6  
(B) 9  
(C) 5  
(D) 4
16. In a certain code language “Always Create New Ideas” is written as ‘ba ri sha gi’. ‘Ideas and New Thought’ is written as ‘fa gi na ri’. ‘Create Thought and Insight’ is written as ‘ki ri la fa’.
What is the code for IDEAS?
(A) sha (B) ba
(C) gi (D) na

17. In a certain code $2 \times 3 = 56$, $5 \times 6 = 1130$, $8 \times 9 = 1772$, then $4 \times 1 = \ ?$
(A) 54 (B) 45
(C) 55 (D) 44

Directions for question number 18 to 20:
Study the following pie-chart relating to the proportion of population of seven villages and the table relating to % of people below poverty line in each village. Answer the following questions.

<table>
<thead>
<tr>
<th>Village</th>
<th>% population below poverty line</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>38</td>
</tr>
<tr>
<td>Y</td>
<td>52</td>
</tr>
<tr>
<td>Z</td>
<td>42</td>
</tr>
<tr>
<td>R</td>
<td>51</td>
</tr>
<tr>
<td>S</td>
<td>49</td>
</tr>
<tr>
<td>T</td>
<td>46</td>
</tr>
<tr>
<td>V</td>
<td>58</td>
</tr>
</tbody>
</table>

18. Find the population of village S if the population of village X below poverty line is 12160.
(A) 18500  (B) 20500
(C) 22000  (D) 26000
19. The ratio of population of village T below poverty line to that of village Z below poverty line

(A) 11 : 21  (B) 23 : 21  
(C) 23 : 11  (D) 11 : 13

19. 'T'  ଅପରିବର୍ତ୍ତୀ ଅଧିକାରକୁ ରାଜନିପାତ କରାଇଛନ୍ତି କର୍ତ୍ତାକାରୀ କହିବାରୁ କରନ୍ତୁ ?

(A) 11 : 21  (B) 23 : 21  
(C) 23 : 11  (D) 11 : 13

20. If the population of village R is 32000, then what will be the population of village Y below poverty line?

(A) 15600  (B) 16500  
(C) 14200  (D) 18000

20. ଏକ 'R' ସାମାନ୍ୟ ଆଧୁନିକ ଯଦ୍ଯନ୍ତୁ 32000, ଏତିହା ଏ"Y" ଚରଫାଦ ଅପରିବର୍ତ୍ତୀ ଅଧିକାରକୁ ରାଜନିପାତ କରନ୍ତୁ?

(A) 15600  (B) 16500  
(C) 14200  (D) 18000

Directions for question number 21 to 22:

Select the figure which satisfies the same conditions of placement of the dots as in Figure-(X).

21. 

(X)

21. 

(X)

(A)  (B)  (C)  (D)
Directions for question number 23 to 24:

Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.

23. (A) (1), (2), (3)  (B) (1), (4), (5)  (C) (1), (3), (5)  (D) (1), (2), (4)

24. (A) (1), (2), (4)  (B) (3), (4), (5)  (C) (1), (2), (3)  (D) (1), (3), (5)

25. On dividing a number by 5, we get 3 as remainder. What will the remainder when the square of the number is divide by 5?

(A) 0  (B) 1  (C) 2  (D) 4
Directions for question number 26 to 28:
Look carefully at the sequence of symbols to find the pattern. Select correct pattern.

26. [Symbols shown] ?
(A) □ □ □ □ □ (B) □ □ □ □ □ (C) □ □ □ □ □ (D) □ □ □ □ □

27. [Symbols shown] ?
(A) ⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫ العليا

28. [Symbols shown] ?
(A) ⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫⚫钫

29. The product of two numbers is 120 and the sum of their squares is 289. The sum of the number is:
(A) 20 (B) 23 (C) 169 (D) 100

30. If 6th March, 2005 is Monday, what was the day of the week on 6th March, 2004?
(A) Sunday (B) Saturday (C) Tuesday (D) Wednesday
Directions for question number 31 to 33:

There is a definite relationship between figures A and B. Establish a similar relationship between figures C and D by selecting a suitable figure from the alternatives that would replace the question mark.

31.

(A)  
(B)  
(C)  
(D)  

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

(A) 1  
(B) 2  
(C) 3  
(D) 4

32.

(A)  
(B)  
(C)  
(D)  

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

(A) 1  
(B) 2  
(C) 3  
(D) 4

33.

(A)  
(B)  
(C)  
(D)  

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

(A) 1  
(B) 2  
(C) 3  
(D) 4
Directions for question number 34 to 36:
Find out which of the answer figure completes the figure matrix?

34.

35.

36.

34.

35.

36.

(A)  (B)  (C)  (D)

(A)  (B)  (C)  (D)

(A)  (B)  (C)  (D)

(A)  (B)  (C)  (D)
Directions for question number 37 to 39:
Identify the figure from the alternatives that completes the pattern.

37.

(X)

(A)  (B)  (C)  (D)

38.

(X)

(A)  (B)  (C)  (D)

39.

(X)

(A)  (B)  (C)  (D)
Directions for question number 40 to 42:

Which alternative will replace the question mark?

40.

- 3 39 5
- 4 51 7
- 5 7
- 5 4

(A) 35  (B) 37  (C) 45  (D) 47

40.

- 3 39 5
- 4 51 7
- 5 7
- 5 4

(A) 35  (B) 37  (C) 45  (D) 47

41.

- 3
- 15
- 27

- 6
- 31
- 56

- 9
- 81

(A) 45  (B) 41  (C) 32  (D) 40

41.

- 3
- 15
- 27

- 6
- 31
- 56

- 9
- 81

(A) 45  (B) 41  (C) 32  (D) 40

42.

- 10
- 4
- 15
- 9

- 16
- 12
- 28
- 20

- 15
- 11
- 23
- 16

(A) 11  (B) 14  (C) 10  (D) 12

42.

- 10
- 4
- 15
- 9

- 16
- 12
- 28
- 20

- 15
- 11
- 23
- 16

(A) 11  (B) 14  (C) 10  (D) 12
Directions for question number 43 to 45:

Answer the questions by using the following diagram.

43. Which of the following represents those school students who are singer but not actress?
   (A) M       (B) N
   (C) O       (D) P

44. Which of the following represents those school students who are actress but not singer?
   (A) M       (B) N
   (C) O       (D) R

45. Which of the following represents those actresses who are neither singer nor school students?
   (A) N       (B) P
   (C) Q       (D) R

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Directions for question number 46 to 48 :
Study the following diagram and answer the given questions.

46. How many boys are both athletic and disciplined?
   (A) 1  (B) 2
   (C) 6  (D) 10

47. How many girls are both athletic and disciplined?
   (A) 0  (B) 3
   (C) 8  (D) 2

48. How many boys are neither athletic nor disciplined?
   (A) 10  (B) 6
   (C) 3  (D) 2

Directions for question number 49 to 51 :
Choose the alternative which resembles the mirror image of the given combination.

49. 247596
    (A) 695742
    (B) খেটেখুঁক
    (C) ৪০৫২৯৬
    (D) খেটেখুঁক

50. 247596
    (A) 695742
    (B) খেটেখুঁক
    (C) ৪০৫২৯৬
    (D) খেটেখুঁক

51. 247596
    (A) 695742
    (B) খেটেখুঁক
    (C) ৪০৫২৯৬
    (D) খেটেখুঁক
50. UTZF6KH
   (A) HK6YFSTU    (B) HK6YFSTU
   (C) HK6YFSTU    (D) HK6YFSTU

51. ANS0Q12
   (A) ANS0Q12    (B) ANS0Q12
   (C) 0NASQ12    (D) 0NASQ12

Directions for question number 52 to 53:
For each question, a word is presented in a code language. Follow the same code and find the answer from the alternatives to replace the question mark.

52. If BEAT : EHDW, then ROAD : (?)
   (A) SQCF      (B) URDG
   (C) TQCF      (D) URNG

53. If NUMBER : UNBMRE, then GHOST : (?)
   (A) GHSOT     (B) GHOTS
   (C) HGSOT     (D) HGOST

Directions for question number 54 to 57:
Fill in the place of the question mark from the alternatives.

54. 9, 4.5, 4.5, 6.75, 13.5, ?, 101.25
   (A) 99.75      (B) 33.75
   (C) 13.5       (D) 40.5

55. ADbc, EHfg, ILjk, ?
   (A) LOMn      (B) MPno
   (C) MNop      (D) MPon

54. 9, 4.5, 4.5, 6.75, 13.5, ?, 101.25
   (A) 99.75      (B) 33.75
   (C) 13.5       (D) 40.5

55. ADbc, EHfg, ILjk, ?
   (A) LOMn      (B) MPno
   (C) MNop      (D) MPon
56. ZXU, XVS, ?, TRO
   (A) VTQ  (B) TRQ
   (C) VRQ  (D) TVS

57. A4Z, D7W, ?, J19Q, M28N
   (A) E9U  (B) G12T
   (C) H12S  (D) F11V

58. Arrange the given words in a meaningful sequence and find the correct sequence from the given alternatives.
   (1) Rain  (2) Monsoon
   (3) Rescue  (4) Flood
   (5) Shelter
   (A) (1), (2), (3), (4), (5)
   (B) (1), (2), (4), (5), (3)
   (C) (2), (1), (4), (3), (5)
   (D) (4), (1), (2), (3), (5)

59. What is the sum of the numbers which belong to two geometrical figures only?
   (A) 6  (B) 10
   (C) 20  (D) 30

Directions for question number 59 to 62:
Study the figure given below carefully and answer the questions.

59. (A) 6  (B) 10
   (C) 20  (D) 30
60. If numbers in the circle represent women, then how many women are there?
(A) 20  (B) 45
(C) 28  (D) 33

61. What is the product of the numbers which belong to three figures only?
(A) 27  (B) 162
(C) 648  (D) 54

62. What is the product of the numbers which belong to two figures only?
(A) 64  (B) 192
(C) 384  (D) 105

Directions for question number 63 to 65:
In each of the following questions, three statements are given followed by four conclusions numbered (I), (II), (III), and (IV). You have to take the given statements to be true and then decide which of the given conclusions logically follow from the given statements.

63. Statements:
Some dogs are rats. All rats are trees. Some trees are not dogs.

Conclusion:
(I) Some trees are dogs.
(II) All dogs are trees.
(III) All rats are dogs.
(IV) No tree is dog.
(A) None follows
(B) Only (I) follows
(C) Only (I) and (II) follow
(D) Only (II) and (III) follow

64. If numbers in the circle represent women, then how many women are there?
(A) 20  (B) 45
(C) 28  (D) 33

65. What is the product of the numbers which belong to three figures only?
(A) 27  (B) 162
(C) 648  (D) 54

66. What is the product of the numbers which belong to two figures only?
(A) 64  (B) 192
(C) 384  (D) 105

Directions for question number 63 to 65:
In each of the following questions, three statements are given followed by four conclusions numbered (I), (II), (III), and (IV). You have to take the given statements to be true and then decide which of the given conclusions logically follow from the given statements.

63. Statements:
Some dogs are rats. All rats are trees. Some trees are not dogs.

Conclusion:
(I) Some trees are dogs.
(II) All dogs are trees.
(III) All rats are dogs.
(IV) No tree is dog.
(A) None follows
(B) Only (I) follows
(C) Only (I) and (II) follow
(D) Only (II) and (III) follow

64. If numbers in the circle represent women, then how many women are there?
(A) 20  (B) 45
(C) 28  (D) 33

65. What is the product of the numbers which belong to three figures only?
(A) 27  (B) 162
(C) 648  (D) 54

66. What is the product of the numbers which belong to two figures only?
(A) 64  (B) 192
(C) 384  (D) 105
64. **Statements:**
Some tigers are lions. Some lions are rabbits. Some rabbits are horses.

**Conclusion:**
(I) Some tigers are horses
(II) Some rabbits are tigers
(III) Some horses are lions
(IV) All horses are rabbits
(A) All follow
(B) None follows
(C) Only (I) and (II) follow
(D) Only (II) and (IV) follow

65. **Statements:**
Some trains are roads. No road is jungle. All flowers are jungles.

**Conclusion:**
(I) Some trains are flowers
(II) Some trains are jungles
(III) Some flowers are trains
(IV) No road is flower
(A) None follows
(B) Only (II) follows
(C) Only (III) follows
(D) Only (IV) follows
66. A child went 90 m in the East to look for his father, then he turned right and went 20 m. After this he turned right and after going 30 m he reached to his uncle's house. His father was not there. From there he went 100 m to his north and met his father. How far did he meet his father from the starting point?

(A) 80 m   (B) 100 m
(C) 140 m   (D) 260 m

67. A clock is set right at 4 A.M. on Sunday. The clock loses 20 minutes in 24 hours. What will be the correct time when the clock indicates 3 A.M. on Wednesday?

(A) 4 AM   (B) 5 AM
(C) 2 AM   (D) 4.30 AM

68. Maya starts at point 'T', walks straight to point 'U' which is 4 meters away. She turns left at 90° and walks to 'W' which is 4 meters away turns 90° right and goes 3 meters to 'P', turns 90° right and walks 1 meter to 'Q', turns left at 90° and goes to 'V' which is 1 meter away and once again turns 90° right and goes to 'R' which is 3 meter away. What is the distance between 'T' and 'R'?

(A) 4 meter   (B) 5 meter
(C) 7 meter   (D) 8 meter

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69. A clock is started at noon. By 10 minutes past 5 PM on the same day, the hour hand has turned through:

(A) 145°  (B) 150°
(C) 155°  (D) 160°

70. If $A \times B$ means $A$ is to the south of $B$; $A + B$ means $A$ is to the north of $B$; $A \% B$ means $A$ is to the east of $B$; $A - B$ means $A$ is to the west of $B$; then in $P \% Q + R - S$, $S$ is in which direction with respect to $Q$?

(A) South-West  (B) South-East
(C) North-East  (D) North-West

71. A watch gains 5 seconds in 3 minutes and was set right at 8 AM. What time will it show at 10 PM on the same day?

(A) 10:27:41 PM
(B) 8:51:04 AM
(C) 9:45:15 PM
(D) 10:23:20 PM

B - 22
Directions for question number 72 to 75:
Each of the questions below consists of a question and two statements numbered (I) and (II) given below it. You have to decide whether the data provided in the statements are sufficient to answer the question by selecting from the following options.

1. (I) alone is sufficient while (II) alone is not sufficient
2. (II) alone is sufficient while (I) alone is not sufficient
3. Either (I) or (II) is sufficient
4. Neither (I) nor (II) is sufficient

72. How is X related to Y?
   (I) Y and Z are children of D who is wife of X.
   (II) R’s sister X is married to Y’s father
   (A) 1  (B) 2
   (C) 3  (D) 4

73. How many doctors are practicing in this town?
   (I) There is one doctor per seven hundred residents.
   (II) There are 16 wards with each ward having as many doctors as the number of wards.
   (A) 1  (B) 2
   (C) 3  (D) 4
74. Among T, V, B, E and G, who is the third from the top when arranged in the descending order of their weights?

(I) B is heavier than T and C and is less heavy than V who is not the heaviest.

(II) C is heavier than only T.

(A) 1  (B) 2  (C) 3  (D) 4

75. A, B and C have money with them respectively in the ratio of 5 : 4 : 1 then, how much money does B have?

(I) A has ₹ 48 more than C.

(II) The money with B is ₹ 30 less than A.

(A) 1  (B) 2  (C) 3  (D) 4

Directions for question number 76 to 79:

For each question, a word is presented in a code language. Follow the same code and find the answer from the alternatives.

76. If FRIEND is coded as HUMJTK, how is CANDLE written in that code?

(A) EDRIRL  (B) DCQHQK  (C) ESJFME  (D) DEQJQM

77. T.V.B.E g C या ओड़नाल बन कुशलद हिन्दुए 

(II) C गुणधर मणि चित्र है

(A) 1  (B) 2  (C) 3  (D) 4

77. A, B C ज गुणधर राज रत्न अरिन्द महाभार 

5 : 4 : 1. तो राज B रत्न अरिन्द कितना मोटी?

(I) A रत्न C ओळे 48 रज अरिन्द जिली

(II) B रत्न A ओळे 30 रज अरिन्द जिली

(A) 1  (B) 2  (C) 3  (D) 4

76. आँ FRIEND दु अस्तित्व HUMJTK अनि 

(II) इसलिए लिखित CANDLE कुंडा 

(A) EDRIRL  (B) DCQHQK  (C) ESJFME  (D) DEQJQM

B - 24
77. In a certain coding language, if GO = 32 & SHE = 49 then SOME will be equal to?
(A) 56  (B) 58
(C) 62  (D) 64

78. If ROSE is coded as 6821. CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH?
(A) 246173  (B) 214673
(C) 214763  (D) 216473

79. In a certain code, ‘247’ means ‘spread red carpet’; ‘256’ means ‘dust one carpet’ and ‘234’ means ‘one red carpet’. Which digit in that code means “dust”?
(A) 2  (B) 3
(C) 5  (D) 6

Directions for question number 80 to 81:
Select the number from the alternatives to fill up the question mark(?) in the number series.

80. 1, 3, 2, 6, 3, 11, 4, 18, 5, ?
(A) 27  (B) 11
(C) 23  (D) 29

81. 7, 9, 8, 5, 10, 9, 5, 11, 10, 2, 12
(A) 5  (B) 11
(C) 29  (D) 4
82. Count the number of triangles and squares in the given figure.

(A) 26 triangles, 5 squares
(B) 28 triangles, 5 squares
(C) 26 triangles, 6 squares
(D) 28 triangles, 6 squares

83. In the adjoining figure, if the centers of all the circles are joined by horizontal and vertical lines, then find the number of squares that can be formed.

(A) 6  
(B) 7
(C) 8  
(D) 1

84. How many parallelograms are there in the following figure?

(A) 12  
(B) 20
(C) 29  
(D) 30
85. Based on the given positions of the dice find out which number is opposite to 3.

3
1
5

4
2
3

(A) 1
(B) 6
(C) 5
(D) 4

86. Based on the given positions of the dice find out which number is opposite to 2.

6
1
4

5
3
6

4
1
2

(i) (A) 6
(ii) (B) 5
(iii) (C) 3

87. Based on the given positions of the dice find the number of dots on the face opposite to the face with one dot.

(i) (A) 2
(ii) (B) 3
(iii) (C) 4

(D) 6
Directions for question number 88 to 89:
Fill in the blanks in the letter series.

88. \( xy_z_{xxyx \_px \_yzpzp \_yzpzp} \)  
   (A) \( x \_p \_x \_x \)  
   (B) \( y \_z \_y \_z \_x \)  
   (C) \( y \_z \_p \_z \_x \)  
   (D) \( z \_y \_x \_p \_y \)

89. \( aab\_aa\_bbb\_aaa\_bbba \)  
   (A) \( a \_b \_a \_a \_b \)  
   (B) \( b \_a \_a \_b \)  
   (C) \( a \_a \_a \_b \)  
   (D) \( a \_b \_a \_b \)

Directions for question number 90 to 93:
Each of these questions is based on the information given: 8 persons E, F, G, H, I, J, K, and L are seated around a square table - two on each side. There are 3 ladies who are not seated next to each other. J is between L and F. G is between I and F. H, a lady member is second to the left of J. F, a male member is seated opposite to E. A lady member between F and I.

90. How many persons are seated between K and F?  
   (A) 1  
   (B) 2  
   (C) 3  
   (D) 4

91. Who among the following are three lady members?  
   (A) E, H and J  
   (B) E, F and G  
   (C) E, H and G  
   (D) C, H and J

90. K  \& F  \& L  \& E  \& D  \& C  \& B  \& A

91. E, H, and F  \& J  
   (A) E, H,  \& J  
   (B) E, F,  \& G  
   (C) E, H,  \& G  
   (D) C, H,  \& J

B - 28

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92. Who among the following is to the immediate left of F?
   (A) G  (B) I  (C) J  (D) H

93. What is true about J and K?
   (A) J is male, K is female
   (B) J is female, K is male
   (C) Both are female
   (D) Both are male

Directions for question number 94 to 98:
Which alternative will replace the question mark?

94. 
   (A) 5  (B) 9  (C) 11  (D) 13

95. 
   (A) 38  (B) 44  (C) 52  (D) 40

96. 
   (A) 36  (B) 32  (C) 30  (D) 60

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97. \( \begin{array}{c}
\text{93} \\
\text{27} \\
\text{79} \\
\text{38} \\
\text{67} \\
\text{16} \\
\text{63} \\
\text{37} \\
\text{42} \\
\text{3} \\
\text{4} \\
\text{?}
\end{array} \) \\
(A) 5 \\
(B) 6 \\
(C) 8 \\
(D) 9
\)

98. \( \begin{array}{c}
P \\
S \\
V \\
Y \\
11 \\
8 \\
5 \\
? \end{array} \) \\
(A) 3 \\
(B) 2 \\
(C) 7 \\
(D) 6
\)

99. If '+' means '÷', '+' means '−', '−' means '×', '×' means '+', then \( 12 + 6 ÷ 3 − 2 × 8 = ? \)
(A) -2 \\
(B) 2 \\
(C) 4 \\
(D) 8

100. If '+' means '×', '×' means '−', '+' means '+', '−' means '÷', then \( 175 − 25 + 5 + 20 × 3 + 10 = ? \)
(A) 77 \\
(B) 160 \\
(C) 240 \\
(D) 2370

\[ -O_0-O_0- \]
\[ ++\ 100 - 30 \]

B - 30
INSTRUCTIONS TO CANDIDATES
Read the following instructions carefully before you open the Question Booklet:
1. A separate OMR Answer Sheet is supplied for writing the answers. Write down your Application Form No. & 11 digit Roll Number on it as per your Admission Card and darken the appropriate circles on the answer sheet.
2. Check that Set Code (A, B, C or D) is printed on the Booklet and indicate your set code by blackening the appropriate circle in the OMR Answer Sheet.
3. Do not write anything in this Booklet except the 11 digit Roll No. However you can use the blank pages provided for the rough work at the end of this Booklet.
4. Start answering when you are told to do so. Do not turn the pages before that.
5. Answer all the questions. Each question has four probable answers of which one is correct. You have to choose the correct one and blacken your choice in the OMR answer sheet by a black/blue ball point pen. Use of pencil is not allowed. If your choice is second response then answer like this.
   \[ \text{A} \bullet \text{C} \bullet \text{D} \]
6. For wrong answer, there is no deduction of marks. One mark shall be awarded for each correct response.
7. No mark will be awarded for a question if a candidate darkens more than one choice.
8. Return the Answer Sheet only to the invigilator as soon as the final bell rings.
9. English version of the Question Paper will be considered as final if any dispute arises in the translated version.

ASK FOR ANOTHER BOOKLET IF IT IS DEFECTIVE, BEFORE YOU START ANSWERING.
1. A ballon starts rising upwards with constant acceleration 'a' and after 't_0' seconds, a packet is dropped from it which reaches the ground in 't' seconds. The value of 't' is:

(A) \( \frac{at_0}{g} \left[ 1 + \sqrt{1 + \frac{g}{a}} \right] \)

(B) \( \frac{at_0}{g} \sqrt{1 + \frac{g}{a}} \)

(C) \( \frac{at_0}{g} \left[ \frac{1}{\sqrt{a}} \right] \)

(D) \( \frac{a}{g} [t_0] \)

2. Three balls are projected with same speed. Ball A is thrown vertically downward, ball B is thrown vertically upward and ball C is thrown horizontal, \( t_A, t_B, t_C \) are respective time taken by Balls A, B and C to reach ground. Find the correct answer from the following choices.

\[ \begin{align*}
A & \quad \uparrow \\
B & \quad \rightarrow \\
C & \quad \downarrow \\
\end{align*} \]

(A) \( t_C = t_A + t_B \)  
(B) \( t_C = \sqrt{t_A t_B} \)  
(C) \( t_C = t_A - t_B \)  
(D) \( t_C = t_A - 2t_B \)
3. The velocity ~ time graph of a particle moving along a straight line is shown. What is the displacement of the particle in 6 second?

(A) 10 m  (B) 14 m  
(C) 12 m  (D) 20 m

4. In the circuit shown, potential difference between A and B is:

(A) +4 volt  (B) -4 volt  
(C) -4.4 volt  (D) +4.4 volt

5. In the given circuit, what is the equivalent resistance between A and B?

(A) 10 Ω  (B) 2 Ω  
(C) 5 Ω  (D) 3 Ω
6. The electrical properties of copper and rubber are different because:

(A) The positive charges are free to move in copper but stationary in rubber.

(B) Many electrons are free to move in copper but all electrons are bound to molecules in rubber.

(C) Positive charges are free to move in rubber but stationary in copper.

(D) Many electrons are free to move in rubber but stationary in copper.

7. Which of the following are true?

(i) A moving charge produces magnetic field but no electric field.

(ii) A moving charge experiences force in magnetic field but not in electric field.

(iii) Magnetic field inside solenoid is uniform.

(iv) Magnetic field lines are always closed.

(A) (i) and (iv)            (B) (iii) and (iv)

(C) (i) and (iii)          (D) (ii) and (iv)

7. ကြက်ကလေးမှာ မဖော်စွာ သို့မဟုတ်အချိန် ကြက်ကလေးမှာ မဖော်စွာ သို့မဟုတ်အချိန်

(i) ပင်မလိုဘို့ အခြေအနေများလည်း ပြောင်းလဲ ပြောင်းလဲ မဖော်စွာ သို့မဟုတ်မဖော်စွာ

(ii) ပင်မလိုဘို့ အခြေအနေများလည်း ပြောင်းလဲ ပြောင်းလဲ မဖော်စွာ သို့မဟုတ်မဖော်စွာ

(iii) မိုက်ကလေးမှာ မိုက်ကလေးမှာ မဖော်စွာ သို့မဟုတ် မဖော်စွာ သို့မဟုတ်မဖော်စွာ

(iv) မိုက်ကလေးမှာ မိုက်ကလေးမှာ မဖော်စွာ သို့မဟုတ် မဖော်စွာ သို့မဟုတ်မဖော်စွာ

(A) (i) နှင့် (iv)            (B) (iii) နှင့် (iv)

(C) (i) နှင့် (iii)          (D) (ii) နှင့် (iv)
8. A 500 W bulb and a 500 W heater operate at their rated voltages. Which of the following is true?
(A) Filament of bulb reaches a much higher temperature than heater
(B) Filament of heater reaches a much higher temperature than bulb
(C) Both filament attain same temperature
(D) Nothing can be predicted.

9. Each structure carries same current $i$, in a transverse magnetic field. Which is true?
(A) (i) and (ii) experience same force
(B) (iii) experiences largest force
(C) (i) experiences minimum force
(D) all structure experience same force

10. The direction of current in the conducting ring after the switch is closed for a long time:
(A) Clockwise
(B) Anti Clockwise
(C) No Current
(D) Can’t be predicted
11. A circular coil is entering a magnetic field as shown. What is the direction of induced current?

   X X X X X X X X
   X X XVX X X X
   X X X X X X X X
   X X X X X X X

   (A) Clockwise
   (B) Anti Clockwise
   (C) No induced current
   (D) Both clockwise and anti clockwise

12. An air bubble inside water will behave as:

   (A) Concave lens  (B) Convex lens
   (C) Plane mirror  (D) Glass slab

13. Formation of virtual image is possible in:

   (A) Plane mirror
   (B) Concave mirror
   (C) Convex lens
   (D) All the above

14. What is the molarity of the solution prepared by dissolving 4 gm of NaOH in water to form 250 ml solution?

   (A) 1.0 m
   (B) 0.2 m
   (C) 0.4 m
   (D) 0.04 m
15. Which of the following is an acid?
(A) NaOH  (B) NH₄NO₃
(C) Mg(OH)₂  (D) B(OH)₃

16. Which of the following reactions is displacement reaction?
(A) CH₄ + 2O₂ → CO₂ + 2H₂O
(B) Cr₂O₃ + 2Al → Al₂O₃ + 2Cr
(C) 2H₂O₂ → 2H₂O + O₂
(D) P₄ + NaOH → PH₃ + NaHPO₂

17. Which of the following element react with oxygen to form a compound with high melting point, which is soluble in water?
(A) Calcium  (B) Carbon
(C) Silicon  (D) Iron

18. Which of the following is main ingredient of Biogas and CNG?
(A) Ethyne  (B) Propane
(C) Methane  (D) Butane

19. Which one of the following is functional group of propanone?
(A) Carboxylic acid  (B) Aldehyde
(C) Ketone  (D) Alcohol
20. A free electron at rest which is far away from the nucleus has energy value:

(A) Zero
(B) Infinite
(C) \(-1312 \text{ kJ mol}^{-1}\)
(D) \(-54.380 \text{ eV}\).

21. The by-product of soap industry is:

(A) Glycol
(B) Glucose
(C) Glycerol
(D) Ethanol

22. Reaction of water with aluminium carbide gives a colourless gas. The gas is:

(A) Acetylene
(B) Propene
(C) Propane
(D) Methane

23. The electronic configuration of an atom is 2, 8 which of the following element has similar chemical properties with it?

(A) N (7)
(B) F (9)
(C) P (15)
(D) Ar (18)

24. The isotope of which element is used for treatment of cancer diseases:

(A) Uranium
(B) Cobalt
(C) Iodine
(D) Chlorine

20. କାଳିବୁଂକୁଡ଼ରୁ ଲଞ୍ଚ ଦୁଇରି ପୁଙ୍କୁର ପଳକାଟାତିକୁ ଏହି ଗତ୍ଯାବଳି ପହଙ୍କୁ ଏହିଙ୍କେ କରା?

(A) ପୁଙ୍କୁ
(B) ପଳକାଟା
(C) ପଳକାଟା
(D) ପୁଙ୍କୁ

21. ମାଇଯି କରିବାରେ କେତାକରେ ହେଉଥିବା କରକରିବାନ୍ତି?

(A) ପୁଙ୍କୁରି
(B) କରକରି
(C) ପଳକାଟା
(D) କରକରି

22. ଜନକିମନ୍ତ ପଳକାଟାତିରେ କୋଠା ତିକରିବାରେ ଏହିଙ୍କେ ଗତ୍ଯାବଳି ପହଙ୍କୁ ଏହିଙ୍କେ କରା?

(A) ପଳକାଟା
(B) ପଳକାଟା
(C) ପଳକାଟା
(D) ପଳକାଟା

23. ଜନକିମନ୍ତ ପଳକାଟାତିରେ କୋଠା କୋଠା ଏହିଙ୍କେ ଏହିଙ୍କେ 2, 8।

(A) ପଳକାଟା
(B) ପଳକାଟା
(C) ପଳକାଟା
(D) ପଳକାଟା

24. ମାଇଯି ତିକରିବାରେ କେତାକରେ କେତାକରେ ତିକରିବାରେ ଏହିଙ୍କେ ଏହିଙ୍କେ କରା?

(A) ପଳକାଟା ରିତା
(B) ପଳକାଟା ରିତା
(C) ପଳକାଟା ରିତା
(D) ପଳକାଟା ରିତା
25. Composition of Synthetic gas is
(A) CO + H₂ (B) C + N₂
(C) CO + CH₄ (D) CO + N₂

26. The alloy containing a non-metal is:
(A) Brass (B) Bronze
(C) Steel (D) White metal

27. Organisms which use energy from inorganic source to prepare food are called:
(A) Autotrophs (B) Syntrophs
(C) Chemotrophs (D) Heterotrophs

28. Orange colour pigments which participate in photosynthesis indirectly are called:
(A) Carotene (B) Chlorophyll a
(C) Chlorophyll b (D) Phycocyanin

29. Which of the following is a semi-autonomous organelle with genetic material of its own?
(A) Nucleus (B) Vacuole
(C) Golgi (D) Chloroplast

25. সিলিন্ডার দৃশ্য ভারী হলো _______ কদাঁ?
(A) CO + H₂ (B) C + N₂
(C) CO + CH₄ (D) CO + N₂

26. ধাতুপুষ্ট হিসাবে নিয়ে আন্তঃমূলক রক্তচা: টিকার (A) নিদল (B) ডাক্তার
(C) ডাঃ (D) ডাঃ মহাপ্রভু

27. বোঝাতে দেবে যদি আমার প্রকৃতি ডাবল দুইটি ওদূরের পরিচালনা হয়ে থাকে -
(A) মাখানা (B) বী বী
(C) বান্ধব (D) বান্ধব অন্ধকার

28. দূরাক্ষ দূষণ ডাবল বিদ্যমান দুইটি হওয়া প্রকৃতি ডাবল সাইমন বিদ্যমান ধরা লঘু হয় হয়?
(A) দোঁজো (B) সূত্রডোজজ
(C) সূত্রডোজজ (D) সূত্রডোজজ অন্ধকার

29. কিছুগুলো দেরিতে নষ্ঠে যেজন তেজিয়ান কিছু আগুনীরী দেখার খান?
(A) পুতিত (B) বান্ধব
(C) বান্ধব (D) বান্ধব ধরা
30. Which acid is present in tamarind pulp?
   (A) Oxalic Acid   (B) Acetic Acid
   (C) Tartaric Acid   (D) Tannic Acid

31. Under which group are diatoms included?
   (A) Monera   (B) Protista
   (C) Plantae   (D) Animalia

32. By whom was dark reaction of photosynthesis discovered?
   (A) Calvin   (B) Hill
   (C) Johnson   (D) Mitchell

33. Effect of duration of light period on flowering is called:
   (A) Phototropism   (B) Photolysis
   (C) Photosynthesis   (D) Photoperiodism

34. Jelly fish is included in which phylum?
   (A) Cnidaria   (B) Mollusca
   (C) Echinodermata   (D) Chordata
35. What is the Chemical nature of Chitin?
   (A) Protein
   (B) Lipid
   (C) Glycoprotein
   (D) Carbohydrate

36. How many ova are produced from 50 primary oocyte?
   (A) 50
   (B) 100
   (C) 200
   (D) 300

37. Which hormone is present in the urine of pregnant women?
   (A) ADH
   (B) CGH
   (C) FSH
   (D) ICSH

38. Who started Appiko movement in 1983?
   (A) Sundarlal Bahuguna
   (B) Amrita Devi
   (C) Medha Patkar
   (D) Pandurang Hegde
39. Which of the following statements is correct?

(A) Cockroaches respire by gills.
(B) Ian Wilmut was awarded Nobel prize in 2010 for IVF.
(C) Hepatitis-B is infected by water.
(D) White leghorn lays highest number of eggs per year.

39. কোনটি কথাটি সত্যি?

(A) চকরাচ গ্রিন গ্রিট দেওয়া হচ্ছে হাল্দা যা বা।
(B) ইয়ং হিল্মুট দী কেন্দ্রীয় নোবেল প্রেম বিজয়ী 2010 এ ইভিএফ নোবেল প্রেম বিজয়ী হয়েছেন।
(C) হেপাটিটিস বিএ দী নালার দ্বারা অনুক্রমে দুই টা।
(D) ডিও ডিও লেগোর ডুইতা তরকারী ডুই উপাদান নদীয়া নিয়ে ৬০০ক্ষণ।

40. Which of the following cell organelles is non-membranous?

(A) Mitochondria  (B) Ribosomes
(C) Golgi  (D) Lysosomes

40. কোন কোন একক উদ্ভিদে নিম্ন এলেমেন্ট হলো?

(A) মিউট্যাক্ষেলফলিস  (B) রিবোসোমোল
(C) গোল্গি  (D) লিজোসোমোল

41. What is the sum of

\[
\frac{1}{1\times2} + \frac{1}{2\times3} + \frac{1}{3\times4} + \ldots + \frac{1}{99\times100}
\]

(A) Less than \(\frac{99}{100}\)
(B) Equal to \(\frac{99}{100}\)
(C) More than \(\frac{100}{99}\)
(D) Equal to \(\frac{100}{99}\)

41. \[
\frac{1}{1\times2} + \frac{1}{2\times3} + \frac{1}{3\times4} + \ldots + \frac{1}{99\times100}
\]

এর সমষ্টি কত?

(A) \(\frac{99}{100}\) কম
(B) \(\frac{99}{100}\) বেশি
(C) \(\frac{100}{99}\) কম
(D) \(\frac{100}{99}\) বেশি
42. What is the ascending order of the surds $\sqrt{2}, \sqrt{3}, \sqrt{4}$?
   (A) $\sqrt{4}, \sqrt{3}, \sqrt{2}$  (B) $\sqrt{4}, \sqrt{2}, \sqrt{3}$  
   (C) $\sqrt{2}, \sqrt{3}, \sqrt{4}$  (D) $\sqrt{3}, \sqrt{4}, \sqrt{2}$

43. If $5x^3 \times 3 \times 2x = 225$, then what is the value of $x$?
   (A) 3  (B) 2  (C) 5  (D) 4

44. If $(5x^2 + 14x + 2)^2 - (4x^2 - 5x + 7)^2$ divided by $x^2 + x + 1$ results in the quotient as 'q' and the remainder as 'r', what do 'q' and 'r' represent?
   (A) $q = x^2 + 9x - 5$, $r = 0$  
   (B) $q = 9(x^2 + 19x - 5)$, $r = 0$  
   (C) $q = x^2 + 9x - 5$, $r = 1$  
   (D) $q = 9(x^2 + 19x - 5)$, $r = 1$

45. The speed of a boat in still water is 8 km/hour. It takes 5 hours to cover 15 km upstream and 22 km downstream. Then, what is the speed of the stream in km per hour?
   (A) 3  (B) 5  (C) 4  (D) 7

46. An aeroplane would take one hour less if it increases its usual speed by 100 km/hr. What is its usual speed?
   (A) 100 km/hr  (B) 200 km/hr.  
   (C) 300 km/hr.  (D) 400 km/hr.

42. $\sqrt{2}$, $\sqrt{3}$, $\sqrt{4}$ হলে তাদের উপরন্তু কেন্দ্রিত করা যায় তাদের সারে হয়ে তাদের সায়ে করে 6 এর দিকে?
   (A) $\sqrt{4}, \sqrt{3}, \sqrt{2}$  (B) $\sqrt{4}, \sqrt{2}, \sqrt{3}$  
   (C) $\sqrt{2}, \sqrt{3}, \sqrt{4}$  (D) $\sqrt{3}, \sqrt{4}, \sqrt{2}$

43. যদি $5x^3 \times 3 \times 2x = 225$ হয়, তবে হয়ে ধরা পড়া 6 এর দিকে?
   (A) 3  (B) 2  (C) 5  (D) 4

44. যদি $(5x^2 + 14x + 2)^2 - (4x^2 - 5x + 7)^2$ হয়, $x^2 + x + 1$ দিয়ে বিভক্ত হয়, তবে 'q' এবং 'r' দিয়ে ণীতী?
   (A) $q = x^2 + 9x - 5$, $r = 0$  
   (B) $q = 9(x^2 + 19x - 5)$, $r = 0$  
   (C) $q = x^2 + 9x - 5$, $r = 1$  
   (D) $q = 9(x^2 + 19x - 5)$, $r = 1$

45. জলের পশ্চিম নিম্নরক্ষণ নিম্নের দিকে দিকে 8 দিনের। রেখে নিম্নরক্ষণ নিম্নের দিকে 15 দিনের। পশ্চিম দিকে পশ্চিমের দিকে 22 দিনের। নিম্নের দিকে 5 দিনের দিকে, দিকের পশ্চিমের দিকের নিম্নের দিকের?
   (A) 3  (B) 5  (C) 4  (D) 7

46. যদি যাত্রার দৈর্ঘ্য 100 কিলোমিটার হয়, তবে 1200 কিলোমিটারের কর্তব্যের দৈর্ঘ্য 1 দিনে পার্কার্তের 5 দিনে দৈর্ঘ্য 3 দিনে 100 কিলোমিটারের দৈর্ঘ্য প্রসারিত করা নিম্নের?
   (A) 100 কিলোমিটার  (B) 200 কিলোমিটার  
   (C) 300 কিলোমিটার  (D) 400 কিলোমিটার
47. Rakesh has ₹ ‘x’ more than Mohan and they together have a total of ₹ ‘y’. Which of the following represents the number of rupees that Rakesh has?

(A) \( \frac{y+x}{2} \)  
(B) \( \frac{y-x}{2} \)  
(C) \( \frac{y}{2} - x \)  
(D) \( 2y - x \)

48. Taxi fare in a city is as follows: for the first kilometre the fare is ₹ 8.00 and for the subsequent distance it is ₹ 5.00 per km. Taking the total fare for covering a distance of ‘x’ km as ₹ ‘y’ which of the following is the equation that connects ‘x’ and ‘y’?

(A) \( 5x + y + 3 = 0 \)  
(B) \( 5x - y + 3 = 0 \)  
(C) \( 5x + y - 3 = 0 \)  
(D) \( 5x - y - 3 = 0 \)

49. The areas of a square and a rectangle are equal. If the side of the square is 12 cm and the difference between the length and breadth of rectangle is 7 cm, then what is the perimeter of the rectangle?

(A) 25 cm  
(B) 50 cm  
(C) 75 cm  
(D) 112 cm
50. If 'm' times the m<sup>th</sup> term of an A.P. is equal to the 'n' times of the n<sup>th</sup> term of it, then what is the (m+n)<sup>th</sup> term of the A.P.?
(A) 0  (B) 1  
(C) 2  (D) 3

51. How many 3-digit numbers are divisible by 7?
(A) 124  (B) 128  
(C) 120  (D) 126

52. If cosecθ − sinθ = l, secθ − cosθ = m, then what is the value of \(l^2m^2 - (l^2 + m^2 + 3)\)?
(A) 1  (B) −1  
(C) 0  (D) 2

53. Ranjan purchased 120 reams of paper at ₹ 80.00 per ream. He spent ₹ 280.00 on transportation, paid octroi-tax at the rate of 40 paise per ream and spent ₹ 72.00 as the labour charge. If he want to get a profit of 8%, at what price should he sell the paper per ream?
(A) ₹ 86.00  (B) ₹ 87.48  
(C) ₹ 88.62  (D) ₹ 90.00

54. What is the value of \(\frac{\sin\theta - 2\sin^3\theta}{2\cos^3\theta - \cos\theta}\)?
(A) cotθ  (B) tanθ  
(C) secθ  (D) cosecθ

55. \(\frac{\sin\theta - 2\sin^3\theta}{2\cos^3\theta - \cos\theta}\) दिनक 6दिन...?
55. A number is to be chosen at random from among the numbers $-3$, $-2$, $-1$, $0$, $1$, $2$, $3$. What is the probability for the modulus of the number chosen to be less than $2$?

(A) $\frac{5}{7}$  (B) $\frac{3}{7}$  
(C) $\frac{2}{7}$  (D) $\frac{1}{7}$

56. What is the difference between the mode and the median of the data contained in the table below?

<table>
<thead>
<tr>
<th>$x$</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>$f$</td>
<td>8</td>
<td>12</td>
<td>18</td>
<td>13</td>
<td>7</td>
<td>3</td>
</tr>
</tbody>
</table>

(A) 3  (B) 2  (C) 1  (D) 0

57. How many spherical bullets of $2$ cm diameter can be made out of a metallic cube, each edge measuring $22$ cm by melting and recasting? [Take $\pi$ as $\frac{22}{7}$]

(A) 5324  (B) 5262  
(C) 2622  (D) 2541

58. Two nonintersecting circles have $15$ cm and $9$ cm as their radii. If their centres are $30$ cm apart, what is the length of their transverse common tangent?

(A) $12$ cm  (B) $15$ cm  
(C) $18$ cm  (D) $21$ cm
59. PQ is a chord of length 8 cm of a circle of radius 5 cm. The tangents at P and Q intersect at a point T. What is the length of TP?

(A) \( \frac{10}{3} \) cm  
(B) \( \frac{15}{4} \) cm  
(C) \( \frac{20}{3} \) cm  
(D) \( \frac{22}{3} \) cm

59. 5 টির ডাক্তার উপর কিন্তু তাদের PQ এর জোড়া চোখ 8 টি। P এবং Q ওর মধ্যে দিয়ে একটি বিন্দু T

(A) \( \frac{10}{3} \) ডিমই ।  
(B) \( \frac{15}{4} \) ডিমই।  
(C) \( \frac{20}{3} \) ডিমই।  
(D) \( \frac{22}{3} \) ডিমই।

60. A and B started a business with initial investments in the ratio 14 : 15. The investment of A continued for the whole year whereas after some time B withdrew one third of his investment. If the profit at the end of the year was shared between A and B in the ratio 21 : 20, then after what time did B withdraw a part of his investment?

(A) 6 months  
(B) 7 months  
(C) 8 months  
(D) 9 months

60. A (B 14 : 15 শুধুমাত্রে সুদূর থাকলেই) সুদূর থাকলেই। A এর সুদূর উপর সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের সুদূরের 

(A) 6 মাস  
(B) 7 মাস  
(C) 8 মাস  
(D) 9 মাস

61. Tripartite or Triple Alliance was concluded among which countries?

(A) Germany, Italy, France  
(B) Germany, Austria, Japan  
(C) Germany, Austria, Italy  
(D) Italy, England, France

61. ত্রিরাষ্ট্রীয় বা ত্রিপার্টিটের যোগাযোগ সম্পন্ন হয়েছিল কোন দেশের মধ্যে?

(A) জার্মানি, ইতালি, ফ্রান্স  
(B) জার্মানি, অস্ট্রিয়া, জাপান  
(C) জার্মানি, অস্ট্রিয়া, ইতালি  
(D) ইতালি, ইংল্যান্ড, ফ্রান্স

A - 18
<table>
<thead>
<tr>
<th>Question</th>
<th>Choices</th>
<th>Correct Answer</th>
<th>Odia Translation</th>
<th>Correct Answer in Odia</th>
</tr>
</thead>
<tbody>
<tr>
<td>62. Who was known as “Czar, the Liberator”?</td>
<td>(A) Czar Alexander I</td>
<td>(A) (ଜାର୍)େନ୍ଦ୍ରିକ ମନେଙ୍କ ରାଜବାର ପ୍ରମାଣ ଆକ୍ରମନ</td>
<td>(A) ରାଜବାର ପ୍ରମାଣ ଆକ୍ରମନ</td>
<td>(A) (ଜାର୍)େନ୍ଦ୍ରିକ ମନେଙ୍କ ରାଜବାର ପ୍ରମାଣ ଆକ୍ରମନ</td>
</tr>
<tr>
<td>63. Which is the most significant body of the U.N.O.?</td>
<td>(A) General Assembly</td>
<td>(A) ମନ୍ତ୍ରଣାଲ୍ୟ</td>
<td>(A) ମନ୍ତ୍ରଣାଲ୍ୟ</td>
<td>(A) ମନ୍ତ୍ରଣାଲ୍ୟ</td>
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<tr>
<td></td>
<td>(B) Security Council</td>
<td>(B) ଲିଙ୍ଗକାରୀ ବହିର୍ଭଗଟି</td>
<td>(B) ଲିଙ୍ଗକାରୀ ବହିର୍ଭଗଟି</td>
<td>(B) ଲିଙ୍ଗକାରୀ ବହିର୍ଭଗଟି</td>
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<td>(C) UNESCO</td>
<td>(C) ଉନ୍‌ସାଇକୋ ଟାଂ‌ପିଲ୍ଟ୍ୱେଜ୍</td>
<td>(C) ଉନ୍‌ସାଇକୋ ଟାଂ‌ପିଲ୍ଟ୍ୱେଜ୍</td>
<td>(C) ଉନ୍‌ସାଇକୋ ଟାଂ‌ପିଲ୍ଟ୍ୱେଜ୍</td>
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<td>(D) International Court of Justice</td>
<td>(D) ମଏଇକୋ ବିଚାରପାଖାନା</td>
<td>(D) ମଏଇକୋ ବିଚାରପାଖାନା</td>
<td>(D) ମଏଇକୋ ବିଚାରପାଖାନା</td>
</tr>
<tr>
<td>64. The head quarter of the League of Nations was situated at:</td>
<td>(A) Geneva</td>
<td>(A) ଅତ୍ୟୀରକ ଶ୍ରୀପତ୍ରକ</td>
<td>(A) ଅତ୍ୟୀରକ ଶ୍ରୀପତ୍ରକ</td>
<td>(A) ଅତ୍ୟୀରକ ଶ୍ରୀପତ୍ରକ</td>
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<td>(B) Rome</td>
<td>(B) ଅସ୍ଂକ୍ରମ ଶ୍ରୀପତ୍ରକ</td>
<td>(B) ଅସ୍ଂକ୍ରମ ଶ୍ରୀପତ୍ରକ</td>
<td>(B) ଅସ୍ଂକ୍ରମ ଶ୍ରୀପତ୍ରକ</td>
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<td>(C) Versailles</td>
<td>(C) ଭୈଁନ୍‌ତ୍ୱେଜ୍ ଶ୍ରୀପତ୍ରକ</td>
<td>(C) ଭୈଁନ୍‌ତ୍ୱେଜ୍ ଶ୍ରୀପତ୍ରକ</td>
<td>(C) ଭୈଁନ୍‌ତ୍ୱେଜ୍ ଶ୍ରୀପତ୍ରକ</td>
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<td>(D) New York</td>
<td>(D) ନ୍ୟେଧ୍ଡ଼୍କୁ ଶ୍ରୀପତ୍ରକ</td>
<td>(D) ନ୍ୟେଧ୍ଡ଼୍କୁ ଶ୍ରୀପତ୍ରକ</td>
<td>(D) ନ୍ୟେଧ୍ଡ଼୍କୁ ଶ୍ରୀପତ୍ରକ</td>
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<tr>
<td>65. The immediate cause of the 2nd world war was:</td>
<td>(A) Rise of Dictatorship</td>
<td>(A) ରାଜରାଷ୍ଟ୍ରକାଟାର ବିରସିକା</td>
<td>(A) ରାଜରାଷ୍ଟ୍ରକାଟାର ବିରସିକା</td>
<td>(A) ରାଜରାଷ୍ଟ୍ରକାଟାର ବିରସିକା</td>
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<td></td>
<td>(B) Hitler’s assault upon Poland</td>
<td>(B) ହିଟ୍ଲରାର ବିଚାର୍ପାଖାନା ଭାଙ୍କନ୍ତ୍ରି</td>
<td>(B) ହିଟ୍ଲରାର ବିଚାର୍ପାଖାନା ଭାଙ୍କନ୍ତ୍ରି</td>
<td>(B) ହିଟ୍ଲରାର ବିଚାର୍ପାଖାନା ଭାଙ୍କନ୍ତ୍ରି</td>
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<td>(C) Hitlers’s good bye to the league of nations</td>
<td>(C) ହିଟ୍ଲରାର ଲେଏନ୍ଟେନ୍ଟ୍ସର ପ୍ରଧାନମନେଙ୍କ ଦ୍ୱାରକ</td>
<td>(C) ହିଟ୍ଲରାର ଲେଏନ୍ଟେନ୍ଟ୍ସର ପ୍ରଧାନମନେଙ୍କ ଦ୍ୱାରକ</td>
<td>(C) ହିଟ୍ଲରାର ଲେଏନ୍ଟେନ୍ଟ୍ସର ପ୍ରଧାନମନେଙ୍କ ଦ୍ୱାରକ</td>
</tr>
<tr>
<td></td>
<td>(D) Treaty of Versailles</td>
<td>(D) ଭୈଁନ୍‌ତ୍ୱେଜ୍ ରାଷ୍ଟ୍ରକାଟାର ରାଜୀବ</td>
<td>(D) ଭୈଁନ୍‌ତ୍ୱେଜ୍ ରାଷ୍ଟ୍ରକାଟାର ରାଜୀବ</td>
<td>(D) ଭୈଁନ୍‌ତ୍ୱେଜ୍ ରାଷ୍ଟ୍ରକାଟାର ରାଜୀବ</td>
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</tbody>
</table>
66. When did Non-Aligned movement begin?

(A) After first world war
(B) After second world war
(C) During cold war
(D) After Balkan war

67. In which direction the world system led after the disintegrations of Russia?

(A) Towards Supremacy of U.S.A.
(B) Towards Communism
(C) Towards Capitalism
(D) Towards Globalization

68. Who led the Non cooperation movement in Odisha?

(A) Madhu Sudan Das
(B) Maharaja Krushna Chandra Gajapati
(C) Gopabandhu Das
(D) Hare krushna Mahatab
<table>
<thead>
<tr>
<th>Question</th>
<th>Odia Question</th>
<th>Options A</th>
<th>Options B</th>
<th>Options C</th>
<th>Options D</th>
</tr>
</thead>
<tbody>
<tr>
<td>69. Who refereed first Mahatma Gandhi as the “Father of the Nation”?</td>
<td>&quot;ମହତମ ଗାଂଧୀ&quot; କେଉଲେ ପଦାର୍ଥାଗ୍ରହୀ ପଡାତା ରାହିଲେ ପରାତିକ ନିବେଶ କରନ୍ତେ କି?</td>
<td>(A) ପନିଡି ନେହୁର</td>
<td>(B) ନେଟାଜୀ ଦୁବାଶ</td>
<td>(C) ସ୍୫ଯାକ ଆଚାର୍ୟ</td>
<td>(D) ସୌରଦାର ପଟେଲ</td>
</tr>
<tr>
<td>70. Who headed the first congress ministry in Odisha in 1937?</td>
<td>1937 ଗ୍ରାମ ପାର୍ଥରେ ସ୍ଥିତି ରେଖା ଭାବରେ ପ୍ରାଥମିକ କର୍ତ୍ତା କି?</td>
<td>(A) ହାରେକୁର୍ଷ୍ଣା ମହାତାବ</td>
<td>(B) କ୍ରୁଶ୍ନା ଚାଂଦ୍ରକାଙ୍ଗ ଗାଜାପାତି</td>
<td>(C) ବିନାୟକ ଓଚାର୍ଯ</td>
<td>(D) ବିଷ୍ଣୁରାଥ ଦାସ</td>
</tr>
<tr>
<td>71. The province of Bihar and Odisha was formed in the year:</td>
<td>&quot;ମହତମ ଗାଂଧୀ&quot; କେଉଁ ରାହିଲେ ପରାତିକ ନିବେଶ କରନ୍ତେ କି?</td>
<td>(A) 1912 AD</td>
<td>(B) 1936 AD</td>
<td>(C) 1942 AD</td>
<td>(D) 1947 AD</td>
</tr>
<tr>
<td>72. Who among the following was the pioneer of the “Indian” nuclear energy program?</td>
<td>କିଉଲାସୁର୍ଗ୍ଣ ବାଣିଜ୍ଞଙ୍କ &quot;ଭାରତୀୟ ସଙ୍ଖ୍ୟାସଙ୍କ ବାଣିଜ୍ଞ&quot; କର୍ତ୍ତା କି?</td>
<td>(A) ଡ୍ୱେ ଵିକ୍ରାମ ସାରଭାଇ</td>
<td>(B) ଡ୍ୱେ ହିମି ବହାନାଗାର</td>
<td>(C) ଡ୍ୱେ ହମି ବହାହାବ</td>
<td>(D) ଡ୍ୱେ ଆପି ଅବୁଦ କାଲାମ</td>
</tr>
</tbody>
</table>
73. If the location of the antipode of a place is 20°S; 94°W, what is the location of the place itself?

(A) 20°N; 86°E
(B) 20°N; 94°E
(C) 20°S; 94°E
(D) 70°S; 86°E

74. Which among the following islands in India is different from the other three in terms of its location?

(A) Baratang  (B) Katchal  
(C) Kavaratti  (D) Rutland

75. In which of the following areas of India is radial pattern of drainage noticed?

(A) The Amarkantak Plateau 
(B) The Aravalli Mountains 
(C) The Malwa Plateau 
(D) The Satpura Hills
76. Which of the following groups of trees found in India contain boreal plants only?

(A) Birch; Rosewood; Pine; Oak
(B) Juniper; Pine; Birch; Silver Fir
(C) Sheesham; Teak; Sal; Rosewood
(D) Teak; Pine; Rosewood; Birch

77. Select the group of Bird Sanctuaries only among the following.

(A) Chilika, Bandipur, Periyar, Vedanthangal
(B) Chilika, Kalimer, Kumarakom, Vedanthangal
(C) Chilika, Kalimer, Kumarakom, Wainad
(D) Chilika, Kalimer, Periyar, Wainad

78. With which of the following rivers is the Tungabhadra dam project linked?

(A) The Godavari
(B) The Kaveri
(C) The Krishna
(D) The Narmada

76. ଦ୍ୟାଙ୍କେ ରଜାରେଗଳିଁ କିରିତା ଦୁଇ ଆଖିବ କାଣା କତର୍କାନ୍ତ ରାଣାବାଗଳି କାଳା ଫିରିବେ?
(A) ଚିଲିକା; କାଲିମର; ପରୀୟାର; ଵଦେନ୍ଧାଂଗାଲ
(B) ଚିଲିକା, କାଲିମର, କମୁରାକାମ, ଵଦେନ୍ଧାଂଗାଲ
(C) ଚିଲିକା, କାଲିମର, କମୁରାକାମ, ଵାଇନାଡ
(D) ଚିଲିକା, କାଲିମର, ପରୀୟାର, ଵାଇନାଇଦ

77. କିରିତା କାଣା ରେଗଳା ପଲବ କାଳାବାଗଳି କାଳାବାଗଳି ରାଣାବାଗଳି?
(A) ଚିଲିକା, କାଲିମର, କମୁରାକାମ, ଵଦେନ୍ଧାଂଗାଲ
(B) ଚିଲିକା, କାଲିମର, କମୁରାକାମ, ଵଦେନ୍ଧାଂଗାଲ
(C) ଚିଲିକା, କାଲିମର, କମୁରାକାମ, ବସୁଡାର
(D) ଚିଲିକା, କାଲିମର, କମୁରାକାମ, ବସୁଡାର

78. କିରିତା କାଣା ରେଗଳା ସାଥ ସାଇବଳିବା କାଳାବାଗଳି ଗଡ଼୍ବସାରି?
(A) କାଳାବାଗଳି
(B) କାଳାବାଗଳି
(C) କୁରାଠୀ
(D) କୁରାଠୀ
79. Consider the following statements about the Ladakh plateau located in the North Western part of India and identify the correct answer from below:

(a) It is a cold desert
(b) The Indus river flows through it in a deep gorge
(c) Fresh water lakes are prominently noticed in the area

(A) Both the statements (a) and (b) are correct
(B) Both the statements (b) and (c) are correct
(C) Both the statements (a) and (c) are correct
(D) All the three statements are correct

80. Which of the following places was considered as the “Mica Capital of India” in the past though its mica production has declined now?

(A) Bhilwara  (B) Giridih
(C) Kodarma  (D) Nellore

A - 24
81. Which of the following pairs of places and the energy produced therein is **incorrectly** matched?

(A) Madhapur - Solar energy
(B) Gulf of Kutch - Tidal energy
(C) Manikaran - Wind energy
(D) Puga - Geothermal energy

82. For the cultivation of which of the following crops are the conditions of high temperature, plenty of sunshine, small amount of rainfall and irrigation facility most favourable?

(A) Coffee  (B) Cotton
(C) Jute   (D) Tea

83. Which among the following railways does pass through quite undulating terrain?

(A) The Konkan Railways
(B) The North-East Frontier Railways
(C) The South-East Frontier Railways
(D) The West Central Railways
84. Which of the following iron and steel plants is different from the other three in terms of the time period of its establishment?

(A) Bhilai
(B) Bokaro
(C) Rourkela
(D) Vishakhapatnam

85. Religious Minorities in India have been given special protection under the constitution by the:

(A) Fundamental Rights
(B) Directives Principle of state policy
(C) Fundamental Duties
(D) None of the above

86. Which Article of Indian constitution provides for Right to Education?

(A) Article 19      (B) Article 22
(C) Article 21(A)   (D) Article 21

84. ପ୍ରଶତ୍ତରେ ପୁଷ୍ପିତ ଗିତରୁଲ ଗାଥିର ବାଣୀ ଓ ଦପାର ଶ୍ରମକମାଣି ଚାଲପିରେ ଯାହୁଁ?

(A) ଦିକିଅତ
(B) ଦାରକାରୁଲ
(C) ଦାରକାରୁଲ
(D) ଦିକିଅତାରୁଲ

85. ଧାରାରେ ଦାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ:

(A) ଧାରାରେ ଧାରାରେ
(B) ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ
(C) ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ
(D) ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ ଧାରାରେ

86. ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା?

(A) ଧୀତିନିତା ଧୀତିନିତା
(B) ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା
(C) ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା
(D) ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତିନିତା ଧୀତି
87. Who has the power to elect the President of India?
   (A) Elected members of Parliament
   (B) All elected members of Parliament and elected members of Legislative Assemblies.
   (C) Elected members of Legislative Assemblies
   (D) All members of Parliament and members of Legislative Assemblies

88. From which of the following constitutions the concept of Directive Principles of state policy has been borrowed?
   (A) Ireland
   (B) America
   (C) Switzerland
   (D) China

89. Under which Article of the Constitution, The Parliament can make law on the subjects of state list?
   (A) Article 249
   (B) Article 250
   (C) Article 356
   (D) Article 252

90. Which of the following is not a function of the Prime minister?
   (A) To preside over cabinet meeting
   (B) To appoint ministers
   (C) To act as a link between the President and the Council of Ministers
   (D) To act as the leader of the Lok Sabha
91. Who can amend the Indian Constitution?

(A) President

(B) Prime Minister

(C) Supreme Court

(D) None of the above

92. What happens when there is disagreement between the two chambers of the Indian Parliament regarding constitutional Amendments Bill?

(A) The bill may be returned to Lok Sabha

(B) The bill may be sent to the President

(C) Death of the Bill

(D) None of the above

93. To grow multiple crops in the same land is called Multiple Cropping. It is possible with:

(A) Application of HYV seeds.

(B) Application of chemical fertilizers.

(C) Availability of well developed irrigation system.

(D) Increase in area of production.
94. We need knowledge and enterprise to be able to put together land, labour, physical capital and produce an output this is called:

(A) Fixed factor
(B) Variable factor
(C) Human capital
(D) Financial capital

95. Disguised unemployment means:

(A) Worker are unemployed in some seasons.
(B) Worker's capacity is underutilized.
(C) Some worker marginal productivity is zero.
(D) Workers are willing to work but not getting jobs.

96. Which among the following is a non-renewable resource?

(A) Ground water  (B) Forest
(C) Air            (D) Minerals

94. ଓଡ଼ିଆ ଭାବରେ, ଶୀଖନ ଶିକ୍ଷା କୁମାରୁ କାର୍ଯ୍ୟର ପରିଣାମ ତାଖନ୍ତି ବୃତ୍ୟ ତାଖନ୍ତି ଆଧାର କରାଇବା ଜାଣବା ବା ଶୀଖନ ଖବାଇବା ତାଖନ୍ତି ଆଧାର କରାଇବା ପରିଣାମ କରାଇବା ପରିଣାମ?

(A) ଶୀଖନ ରହିବ 
(B) ଶୀଖନ୍ତା ତାଖନ୍ତି
(C) ଶୀଖନ୍ତା ତାଖନ୍ତି
(D) ଶୀଖନ୍ତା ତାଖନ୍ତି

95. ସମ୍ମାନନ୍ତର ଅବଵସଥାଃ

(A) ସମ୍ମାନନ୍ତର ସମ୍ମାନନ୍ତର ସମ୍ମାନନ୍ତର ଅବିଲୋଲାତର ଅବିଲୋଲାତର ଅବିଲୋଲାତ ଅବିଲୋ
(B) ସମ୍ମାନନ୍ତର ସମ୍ମାନନ୍ତର ସମ୍ମାନନ୍ତର ଅବିଲୋ
(C) ସମ୍ମାନନ୍ତର ସମ୍ମାନନ୍ତର ସମ୍ମାନନ୍ତର ସମ୍ମାନନ୍ତର ସମ୍ମା
(D) ସମ୍ମାନନ୍ତର ସମ୍ମାନନ୍ତର ସମ୍ମା

96. କେଉ ପରିବର୍ତ୍ତୀ ବାରକଳା ବାରକଳା ବାରକଳା ବାରକଳା ବାରକଳା ବାରକଳା ବାରକଳା ବାରକଳା?

(A) ବାରକଳା  ବାରକଳା
(B) ବାରକଳ
(C) ବାରକଳ
(D) ବାରକଳ

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97. Banks charge a higher interest rate on loan than what they offer on ________.
   (A) Credits        (B) Buyers
   (C) Deposits       (D) Sellers

98. Investment made by MNCs is called:
   (A) Internal investment
   (B) Foreign trade
   (C) Foreign investment
   (D) None of these

99. Where is National Consumer Disputes Redressal Commission is located?
   (A) Lucknow        (B) New Delhi
   (C) Chennai        (D) Mumbai

100. Japan invested most part of its resources in the development of:
    (A) Financial resource
     (B) Human resource
     (C) Physical resource
     (D) National resource