

# Reasoning Ability — NICL AO (Questions 66–100)

**Directions (66–69):** Read the statements and decide which of the conclusions I and II follow.

**66.** Statements: All books are papers. Some papers are files.

Conclusions:

I. Some files are books.

II. Some books are files.

A) Only I follows

B) Only II follows

C) Both I and II follow

D) Neither follows

E) Cannot be determined

**67.** Statements: No A is B. Some B are C.

Conclusions:

I. Some C are not A.

II. All C are A.

A) Only I follows

B) Only II follows

C) Both follow

D) Neither follows

E) Cannot be determined

**68.** Statements: All roses are flowers. No flower is a weed.

Conclusions:

I. No rose is a weed.

II. Some flowers are roses.

A) Only I follows

B) Only II follows

C) Both follow

D) Neither follows

E) Cannot be determined

**69.** Statements: Some pens are pencils. All pencils are rulers.

Conclusions:

I. Some rulers are pens.

II. All pens are rulers.

A) Only I follows

B) Only II follows

- C) Both I and II follow
  - D) Neither follows
  - E) Cannot be determined
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**70. (Coding — Letter shifting)**

If each letter of the word “LAYER” is written 7 positions ahead in the English alphabet (wrapping around after Z), what word is formed?

- A) RGHKW
  - B) SIBLX
  - C) SVYZO
  - D) TKZAP
  - E) None of these
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**71–75. (Coding — pattern based)**

In a certain code, the following is observed:

BOOK → CRPL

PEN → QFO

FAN → GBM

Using the same pattern, find the code for:

**71. PAN**

- A) QBO
- B) QAN
- C) QBP
- D) QCP
- E) QBO (other)

**72. BELL**

- A) CFMN
- B) CFMK
- C) CFNM
- D) CFMJ
- E) None of these

**73. RING**

- A) SJOH
- B) SJPI
- C) SJPH
- D) SKPH
- E) None of these

**74.** Note the pattern: add 1 to first, subtract 1 from second, add 2 to third... What will be the coded form of "CODE"?

- A) DNMH
- B) DNCF
- C) DODF
- D) DNCG
- E) None

**75.** If in a code LANGUAGE → NCPWCVIG, then how is SYSTEM coded?

- A) UZWVGOQ
  - B) UZWVHRQ
  - C) UZWWGQO
  - D) UZWVGQO
  - E) None of these
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**76–80. (Dates / Birthdays)**

Study the information and answer.

P, Q, R, S and T were born in different months of the same year.

- P was born immediately after Q.
- R was born two months before S.
- T was born after S but before P.

**76.** Who was born earliest?

- A) P
- B) Q
- C) R
- D) S
- E) Cannot be determined

**77.** Who was born immediately before P?

- A) R
- B) T
- C) Q
- D) S
- E) Cannot be determined

**78.** If S was born in May, in which month was R born?

- A) March
- B) April

- C) February
- D) January
- E) Cannot be determined

**79.** If Q was born in January, which month was P born?

- A) February
- B) March
- C) April
- D) May
- E) Cannot be determined

**80.** Which two people have exactly one month between their birthdays?

- A) P and S
  - B) Q and R
  - C) R and P
  - D) S and P
  - E) Cannot be determined
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**81–85. (Circular seating)**

Eight friends A, B, C, D, E, F, G and H are seated around a circular table facing the centre.

- A sits to the immediate left of B.
- C sits opposite to H.
- D sits second to the right of F.
- E sits between C and G.

Answer:

**81.** Who sits to the immediate right of A?

- A) B
- B) D
- C) H
- D) G
- E) F

**82.** Who sits opposite A?

- A) C
- B) D
- C) E

- D) F
- E) G

**83.** Who sits between B and C?

- A) A
- B) D
- C) E
- D) F
- E) G

**84.** If H moves to the seat of A (clockwise), who will be to the right of H?

- A) B
- B) C
- C) D
- D) E
- E) F

**85.** Which of the following pairs sit together?

- A) A & C
- B) D & F
- C) B & G
- D) E & G
- E) B & H

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**86–90. (Weights & comparison / Puzzles)**

**86.** Five items P, Q, R, S and T have weights 10kg, 12kg, 14kg, 16kg and 18kg but not necessarily in this order. R is heavier than P but lighter than S. Q is not the lightest. T is heavier than Q. Which one is the heaviest?

- A) P
- B) Q
- C) R
- D) S
- E) T

**87.** If in a queue of 21 people, Rahul is 7th from the front, what is his position from the rear?

- A) 15th
- B) 14th
- C) 16th
- D) 17th
- E) 8th

**88.** A box contains red, blue and green balls. If probability of drawing a green ball is  $\frac{1}{3}$  and that of red is  $\frac{1}{2}$ , what is probability of blue?

- A)  $\frac{1}{6}$
- B)  $\frac{1}{3}$
- C)  $\frac{1}{2}$
- D)  $\frac{1}{4}$
- E)  $\frac{1}{5}$

**89.** In a certain code, MALE is written as 1312512 (M=13, A=1, L=12, E=5 concatenated). How will FEMALE be written?

- A) 615132512
- B) 651312512
- C) 65131215
- D) 651312512
- E) None of these

**90.** A and B start a business with capital ratio 3:4. After 6 months, A adds equal amount as his initial capital. What is A's share of profit at year end?

- A)  $\frac{3}{7}$
- B)  $\frac{1}{2}$
- C)  $\frac{5}{11}$
- D)  $\frac{7}{15}$
- E)  $\frac{2}{5}$

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**91–95. (Floor / Living arrangement)**

Five families live on different floors of a 5-floor building (1 is bottom, 5 top). Persons: P, Q, R, S, T.

- P lives on a higher floor than Q.
- R lives on an odd-numbered floor.
- S lives immediately above Q.
- T lives on the top floor.

**91.** Who lives on floor 3?

- A) P
- B) Q
- C) R
- D) S
- E) T

**92.** Who lives immediately below S?

- A) Q
- B) R
- C) P
- D) T
- E) None

**93.** If R does not live on floor 5, which floor can R live on?

- A) 1
- B) 2
- C) 3
- D) 4
- E) Cannot be determined

**94.** Which person lives on the second floor?

- A) Q
- B) R
- C) P
- D) S
- E) T

**95.** Who lives on the top floor?

- A) P
- B) Q
- C) R
- D) S
- E) T

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**96–100. (Row Sitting / Linear arrangement)**

Ten people are sitting in two rows of five each facing each other. Top row (left to right): A B C D E. Bottom row (left to right): V W X Y Z. Facing means A faces V, B faces W etc. Some statements: B is to the immediate left of A. D is not at extreme. X sits between W and Y. Z sits to the right of X.

**96.** Who sits opposite C?

- A) X
- B) Y
- C) Z
- D) V
- E) W

**97.** Who sits to the right of W (from W's perspective)?

- A) X

- B) Y
- C) Z
- D) V
- E) None

**98.** If a new person M sits opposite A, where will M be placed?

- A) At position of V
- B) At position of W
- C) At position of X
- D) At position of Y
- E) At position of Z

**99.** Which pair faces each other?

- A) A and X
- B) B and Z
- C) C and V
- D) D and W
- E) E and Y

**100.** Who is at extreme right in top row?

- A) A
- B) B
- C) C
- D) D
- E) E

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## Answer Key — Reasoning (Q66–Q100)

66. A

67. A

68. B

69. C

70. C

71. E



72. D

73. E

74. B

75. C

76. E

77. E

78. B

79. D

80. C

81. B

82. A

83. A

84. B

85. D

86. C

87. B

88. C

89. C

90. D

91. C

92. A

93. C



94. D

95. D

96. B

97. A

98. C

99. E

100. D



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