

LIC HFL Mock Test 2

Directions Q.1 - Q.5: Read the following information and answer the questions given below:

In a club, eight members B, C, D, E, F, G, H and I are sitting around a rectangular table. Out of eight, four sit at the corners of a table and face outside, while the other four sit in the middle of the sides of the tables and face towards the centre of the table.

E sits third to the right of H. F sits third to the left of D. H faces the centre. Only one person sits between F and G. G is not the immediate neighbour of D. I faces the centre. B is not an immediate neighbour of G. D does not sit in the middle of the sides.

Q. 1 What is the position of B with respect to D?

1. Fourth to the left
2. Second to the left
3. Fifth to the right
4. Sit diagonally opposite to each other
5. Second to the right

Q.2 Four of the following five are alike in a certain way and so form a group, Which one of the following does not belong to that group?

1. H
2. G
3. E
4. F
5. I

Q.3 Which of the following pairs represent the members seated in the middle side who faces each other?

1. H and F
2. I and G
3. H and G
4. E and F
5. H and I

Q.4 Who among the following sits third to right of I?

1. B
2. G
3. E
4. D
5. F

Q.5 Which of the following is true regarding the seating arrangement?

1. Immediate right of B is F
2. B, H and E face outside
3. G, I and F faces centre in the table
4. G is the immediate right of C
5. E and B are seated diagonally

Directions Q.6 - Q.8: Read the following information and answer the questions given below

In these questions, a number series is given each series, one number is missing. Find out that number.

Q.6 8 12 30 105 472.5 ? 16891.875

1. 2598.25
2. 2597.25
3. 2598.75
4. 2545.25
5. None of these

Q.7 8, 9.4, 12.2, 17.8, 29, ?

1. 53.6
2. 51.4
3. 52.1
4. 48.6
5. 49.8

Q.8 4, 9, 19, ?, 79, 159, 319

1. 59
2. 39
3. 29
4. 49
5. None of these

Directions Q.9 - Q.12: Answer the following questions by selecting the most appropriate option

Q.9 What will be remainder when $(37^{35} + 36)$ is divided by 38?

1. 28
2. 23
3. 11
4. 35
5. 18

Q.10 Let A be the greatest number that divides 1300, 4650 and 6325, leaving the same remainder in each case. What is the sum of the digits in A?

1. 8
2. 19
3. 22
4. 27
5. 34

Q.11 If the average of a, b, c, d, e and f is 18, then what will be the average of $a/5$, $b/5$, $c/5$, $d/5$, $e/5$ and $f/5$?

1. 3
2. 3.5
3. 4
4. 4.5
5. None of these

Q.12 The average height of 50 students is 170 cm. On a particular day, it was found that four students were absent and the average height of remaining 46 students is 168 cm. Find the average height of absent students.

1. 190 cm
2. 191 cm
3. 192 cm
4. 193 cm
5. 194 cm

Directions Q.13 - Q.17: What will come in place of the question mark (?) in each of the following number series?

Q.13 125 128 119 146 65 ?

1. 308
2. 316
3. 298
4. 294
5. 265

Q.14 8 17 0 47 68 ?

1. 83
2. 93
3. 98
4. 95
5. 96

Q.15 24 12 12 18 ? 90

1. 40
2. 38
3. 36
4. 45
5. None of these

Q.16 5 16 49 104 ? 280

1. 165
2. 160
3. 171
4. 181
5. 175

Q.17 13 9 30 48 75 ?

1. 107
2. 108
3. 116
4. 112
5. 113

Directions Q.18 to Q.21: The questions below have a sentence with two blanks. Given below each options are five pairs of words. Choose the pair that complete the sentences.

Q.18 The population extermination in Babi Yaar and Poland apart from being understatedly described in the most sinister and _____ manner as 'ethnic cleansing' were also blamed, in typical evasive and denial filled rhetoric, on something dark and interior to _____ and perpetrators alike.

1. Evasive, assaulters
2. Enchanting, leaders
3. Disingenuous, victims
4. Tragic, sufferers
5. Exigent; sufferers

Q.19 As navigators, calendar markers, and other _____ of the night sky formulated evidence to the contrary, ancient astronomers were forced to _____ that certain bodies might move in circles about the earth.

1. Scrutinisers, believe
2. Observers, agree
3. Scientists, specify
4. Observers, concede
5. Astronomers, conclude

Q.20 Every human being, after the first few days of his life, is a product of two important factors: on the one hand, there is his _____ endowment; on the other hand there is the factor of environment, that includes _____.

1. Congenital, education
2. Personal, climate
3. Characteristic, geography
4. Genetic, pedagogy
5. Economic, learning

Q.21 Depletion of natural resources, destruction of initiatives by individual governments, control over men's mind by central _____ of the education and falsehood are some of the major evils which appear to be on the increase as a result of the impact of science upon minds suited by _____ to an earlier kind of world.

1. Tenets, fixation
2. Aspects, inhibitions
3. Organs, tradition
4. Department, repulsion
5. Criteria, agenda
- 6.

Directions for Q.22 - Q.25:

Read each sentence to find out whether there is any sort of grammatical errors in them. If any error is spotted, it will be in one part of the sentence. If the sentences are correct mark 5 as your answer. (Ignore punctuations errors if any)

Q.22

1. Why has such
2. a scathing letter
3. be written
4. by your brother
5. no error

Q.23

1. The inspector paid
2. a lot of attention
3. to that the man
4. had abused the boy physically and emotionally
5. No error

Q.24

1. The process was too
2. simple and easy to understand
3. that it hardly took an hour
4. for her to understand it
5. No error

Q.25

1. Raj told us
2. that if all
3. of us cooperate together,
4. we will succeed
5. No error

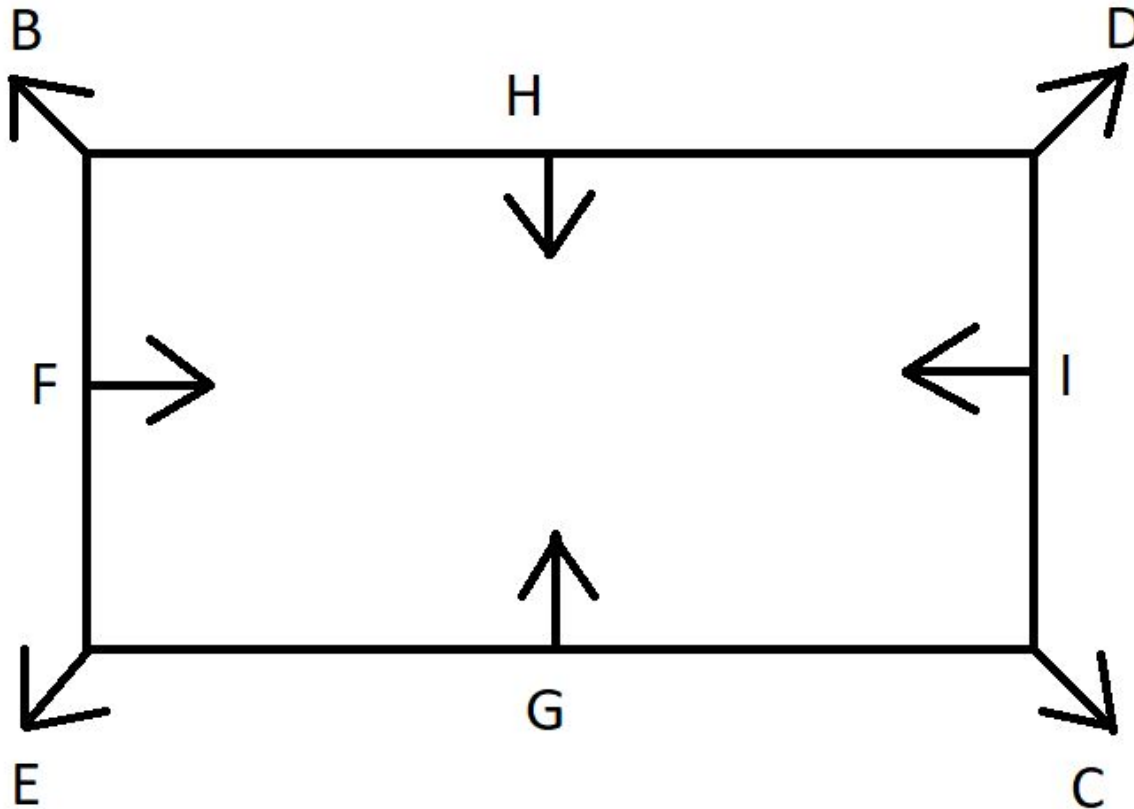
Answer Key

Q. 1 - 2	Q. 2 - 3	Q. 3 - 3	Q. 4 - 1	Q. 5 - 4
Q. 6 - 3	Q. 7 - 2	Q. 8 - 2	Q. 9 - 4	Q.10 - 2
Q. 11 - 5	Q. 12 - 4	Q. 13 - 1	Q. 14 - 2	Q. 15 - 3
Q. 16 - 4	Q. 17 - 5	Q. 18 - 3	Q. 19 - 4	Q. 20 - 1
Q. 21 - 3	Q. 22 - 3	Q. 23 - 3	Q. 24 - 1	Q. 25 - 3

Solutions

Solution Q.1 - Q.5:

According to the given information, the sitting arrangement at the table and person is as follows



Solution 1: B is second to the left of D (2)

Solution 2: Except E, all are seated in the middle sides of the table (3)

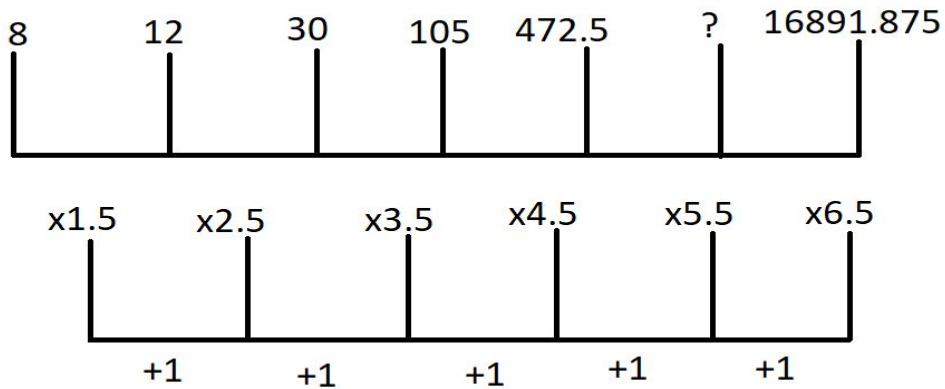
Solution 3: Both H and G are seated in the middle side of the table and face each other (3)

Solution 4: (1) B sits third to the right of I

Solution 5: G is to the immediate right of C (4)

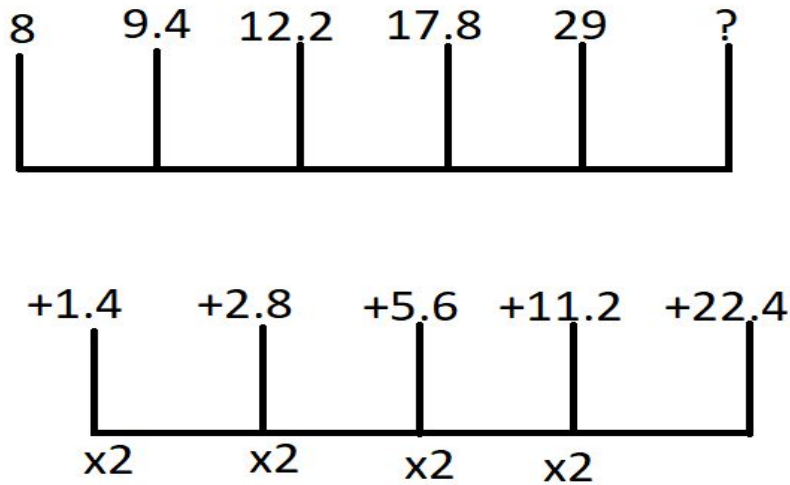
Solution Q.6 - Q.8

Solution 6: (3) The solution of the series is as follows:



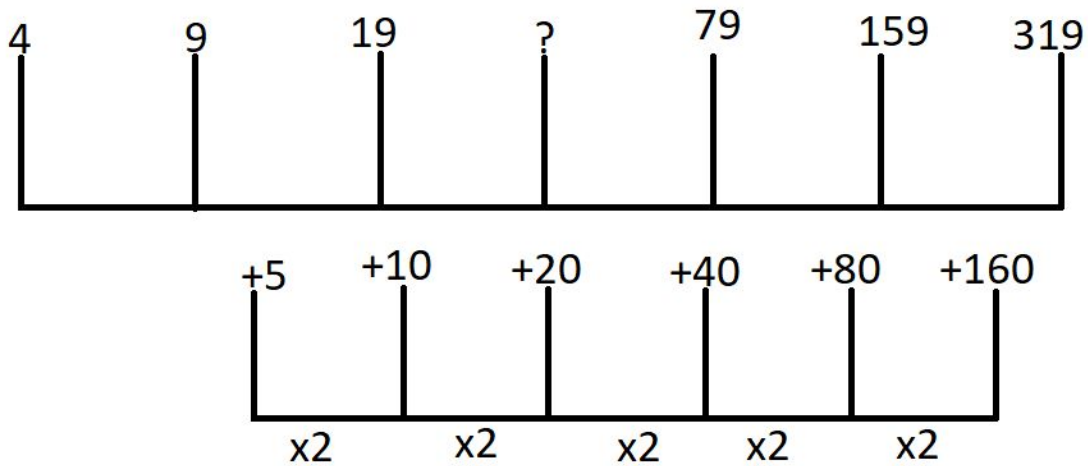
The number in place of ? should be: $472.5 \times 5.5 = 2598.75$

Solution 7: (2) The solution of the series is as follows:



The number in place of ? should be: $29 + 22.4 = 51.4$

Solution 8: (2) The solution of the series is as follows:



The number in place of ? should be: $19 + 20 = 39$

Solution Q.9 - Q.12

Solution 9: (4) If n is an odd number, then $(x^n + 1)$ is always divisible by $(x + 1)$

Therefore, $(37^{35} + 1)$ will be divisible by 38

$(37^{35} + 36) = (37^{35} + 1) + 35$, therefore the required remainder is 35

Solution 10: (2) The greatest number that divides 1300, 4650 and 6325, leaving the same remainder in each case = HCF of $(4650 - 1300)$, $(6325 - 4650)$ and $(6325 - 1300) =$ HCF of 3350, 1675 and 5025 = 1675 = A

Therefore, the required sum of digits of A = $1 + 6 + 7 + 5 = 19$

Solution 11: (5) It is already mentioned in the text of this module that if the average of X_1, X_2, \dots, X_n is X/a

Therefore, the average of $a/5, b/5, c/5, d/5, e/5$ and $f/5 = 18/5 = 3.6$

Solution 12: Average height of 50 students = 170 cm

Sum of their heights = $170 \times 50 = 8500$ cm

Average height of 46 students = 168

Sum of their heights = $168 \times 46 = 7728$

Sum of heights of 4 absent = Sum of heights of 50 students - Sum of heights of 46 students

= $8500 - 7728$

= 772 cm

Therefore, average height of 4 students = $772/4 = 193$ cm (4)

Solution Q.13 - Q.17:

Solution 13: (1) 125 128 119 146 65 ?

Difference in each consecutive term is a power of 3 (ignoring the sign)

$128 - 125 = 3^1$

$119 - 128 = -9 = 3^2$

(Ignoring the negative sign)

$$146 - 119 = 27 = 3^3$$

$$65 - 146 = 81 = 3^4$$

(Ignoring the negative sign)

$$308 - 65 = 243 = 3^5$$

Solution 14: (2) 8 17 0 47 68 ?

Observing the pattern, the difference between each term is an odd number which is increasing in an alternate fashion

$$17 - 8 = 9$$

$$31 - 17 = 13$$

$$47 - 30 = 17$$

$$68 - 47 = 21$$

$$93 - 6 = 25$$

Hence number is 93

Solution 15: (3) 24 12 12 18 ? 90

$$24 \times \frac{1}{2} = 12$$

$$12 \times 1 = 12$$

$$12 \times \frac{3}{2} = 18$$

$$18 \times 2 = 36$$

$$36 \times \frac{5}{2} = 90$$

Solution 16: (4) 5 16 49 104 ? 280

Observing the pattern, the difference between each consecutive term is an alternate multiple of 1

$$16 - 5 = 11$$

$$49 - 16 = 33$$

$$104 - 49 = 55$$

$$181 - 104 = 77$$

$$280 - 181 = 99$$

Solution 17: (5) 13 9 30 48 75 ?

The difference between each term is as follows:

6 11 18 27

Observing the subsequence we can get, the difference between each term is an odd number i.e. , 5 7 9

Here, the next term should be 11, adding 11 in 27 gives 38 and adding 38 in 75

Would give 113 i.e., the desired term.

Solution Q.18 to Q.21:

Solution 18: (3) The author is voices disapproval of the manner in which the genocide has been described as a mere ethnic cleansing. Hence option 3 is correct

Solution 19: (4) All the options are suitable for the first blank but the second part shows that the intellectuals were forced to accept something opposite of their views because of contrary evidence. Hence option 4 is correct

Solution 20: (1) The phrase 'on the one hand' shows that both factors are contrasting. The word in the first blank has to relate with the time of birth and hence congenital and genetic fit there The 2nd blank has to show the effect on the environment. Thus education is the better word. Thus option 1 is the correct answer.

Solution 21: (3) Organs fit the first blank best because departments, institutions and tenets cannot control men's minds. Tradition also fits the second blank. Hence option 3 is correct

Solution Q.22 to Q.25:

Solution 22 : (3) The correct verb form in a passive voice that should have been used here is 'has been written'.

Solution 23: (3) A that-clause cannot be put immediately after a proposition. In this case, we use the expression 'the fact' between the preposition and the that-clause

Solution 24: (1) The adverb 'too' is not used with 'that'. So, here, 'too' should be replaced with 'so'

Solution 25: (3) The words 'cooperate' and 'together' means the same. So, one of them should be dropped to make the sentence correct. The ideal way would be to drop 'together'.