

ENGLISH LANGUAGE

Directions (1-5) : Each sentence has a blank which indicates that something has been omitted. Which of the following words given against the sentence, fits the blank in the given sentence both grammatically and meaningfully.

- In this project, college students _____ school students in choosing their career options.
(1) mentoring (2) helps
(3) teaches (4) reasons
(5) guide
- A recent survey has revealed increase in the cases of _____ behaviour at workplaces.
(1) offense
(2) politely
(3) pleasantly
(4) aggressive
(5) detach
- Banks now check a person's income and _____ to repay loans.
(1) ability
(2) potentially
(3) possible
(4) willing
(5) capable
- The report offered a rare glimpse _____ the company's plans for the future.
(1) what (2) into
(3) which (4) that
(5) some
- The residents are strongly opposing the council's decision to _____ parks into parking areas.
(1) switched
(2) converting
(3) changes
(4) turn
(5) transformed

Directions (6-10) : In each of the following questions, rearrange the given group of words (A), (B), (C), (D) and (E) in a proper sequence, so as to form a meaningful sentence. Select the combination which represents the correct sequence of the sentence. If none of the given combinations represents the correct sequence of the sentence, select "None of the given combinations is correct" as your answer.

- A. to grow and prosper
B. the government's goal is to
C. environment for companies
D. provide a favourable
E. create employment and to
(1) BEDCA
(2) ECBDA
(3) ADECB
(4) None of the given combinations is correct
(5) BECDA
- A. expectancy of humans
B. depletion and increasing pollution
C. according to a study the life
D. combined effect of ozone layer
E. has reduced due to the
(1) None of the given combinations is correct
(2) CAEDB
(3) EDBCA
(4) BEACD
(5) CADBE
- A. sustainable and reducing wastage
B. the environmental group
C. their commitments of manufacturing
D. of failing to meet
E. accused major brands
(1) BEDCA
(2) BEDAC
(3) CABED
(4) ABEDC
(5) None of the given combinations is correct

- A. Ministers of State
B. parliament regarding
C. their ministries
D. are responsible for
E. replying to questions raised in

- (1) None of the given combinations is correct
(2) CAEBDD
(3) ADECB
(4) BDACE
(5) ECBDA
- A. past two years
B. the manufacturing
C. the highest growth in the
D. been seen in
E. and healthcare industries
(1) CADBE
(2) CEBDA
(3) DEBCA
(4) None of the given combinations is correct
(5) ADCEB

Directions (11-18) : Read the following passage and answer the given questions. Certain words/phrases are given in **bold** to help you locate these while answering some of the questions.

Given its increase in popularity over the past few years, it may seem obvious to suggest meditation is a growing wellness trend. Many successful people in the public eye continue to speak about its application in their daily lives. These days most people will be familiar enough with the benefits of meditation, and most even acknowledge they "should" be giving it a go. Yet still, not everyone is doing it. This may be because of two factors- people either start, reach a block and don't know what to do with, so never return; or they don't start in the first place, thinking it's a **rigid** practice that involves hours sitting, and therefore is not for them.

Traditionally people would start meditation only when something was _____. Yet that is starting to **shift** as people become more proactive in supporting their mental and emotional well-being. What was missing was an element of consistency. The best results come from building meditation into your daily routine and making it a must, yet many may 'drop out' after an initial session that either was too difficult or didn't give them the results they were seeking. With growing stress and unmanageable workloads, this need for integrated solutions that work with our lifestyles is only increasing. As meditation becomes even more accessible to the general consumer, the trend will reach further into organizational settings too. It's widely agreed that stress costs companies and that happy, healthy people will contribute to business success. And given that meditation supports people's well-being, both mental and physical well-being, benefits are obvious in a corporate setting. The best way to **realize** the full benefits of meditation is to train people to be self-sufficient and not just rely on a one-off session that the company is held responsible for. There are many ways companies can then provide ongoing support to encourage employees to continue their practice from making sure the time and space are made available, through to playing games to keep it fun and at the top of one's mind.

11. According to the passage, what is/are the reason(s) people do not practice meditation?

- A. Lack of patience to persevere if the results are not as expected.
- B. People hit a block after a few sessions and don't know how to overcome it.
- C. Misconceptions about the practice of meditation.

- (1) Only A
- (2) Only B and C
- (3) All A, B and C
- (4) Only A and B
- (5) Only C

12. Which of the following is/are true as per the given passage?

- A. Meditation is a growing trend.
 - B. The benefits of meditation as a wellness trend should be recognized by organisations.
 - C. Meditation is most effective when it is practiced outdoors.
- (1) Only B
 - (2) Only A and C
 - (3) Only A and B
 - (4) Only C
 - (5) None of A, B and C

13. Which of the following **CAN REPLACE** the word **REALISE** as used in the passage?

- (1) idea
- (2) attain
- (3) imagine
- (4) conscious
- (5) open

14. Which of the following **CAN REPLACE** the word **SHIFT** as used in the passage both contextually and grammatically?

- (1) remove
- (2) substitute
- (3) hoax
- (4) change
- (5) rearrangement

15. Which of the following aspects about meditation has/ have been mentioned in the passage?

- A. It promotes emotional health.
- B. It reverses age related memory loss.
- C. It helps improve physical health.

- (1) Only A and B
- (2) Only C
- (3) None of A, B and C
- (4) Only B
- (5) Only A and C

16. In the passage there is a blank '_____' which indicates that something has been omitted. Which of the following words will fit the given blank both contextually and grammatically?

- (1) defect
- (2) learn
- (3) need
- (4) wrong
- (5) regular

17. Which of the following is **SIMILAR** to the word **RIGID** as used in the passage?

- (1) broken
- (2) strict
- (3) calm
- (4) easy
- (5) perfect

18. Which of the following given in the passage is/are the way(s) for companies to encourage employees to continue their meditation practice?

- A. Providing a dedicated space to practice meditation.
- B. Organising activities which make meditation interesting and fun for employees.
- C. Dedicating a particular time when employees can meditate in office.

- (1) Only A and C
- (2) All A, B and C
- (3) Only C
- (4) Only B and C
- (5) None of these

Directions (19-23) : Which of the phrases given below the sentence should replace the phrase given in **bold** in the sentence to make it meaningful and grammatically correct? If the sentence is correct as it is given and no correction is required, select 'No correction required' as the answer.

19. The manager asked for a list of employees who **had not coming** to office regularly.
- (1) No correction required
 - (2) not coming
 - (3) have not come to
 - (4) have not come
 - (5) had not been coming

20. The parents successfully campaigned for improvements in the school.

- (1) for improvement
- (2) improving in
- (3) improvement of
- (4) No correction required
- (5) to be improved

21. The plan can only succeed if we given attention small details also.

- (1) attention to
- (2) attention is given in
- (3) have given attention
- (4) pay attention to
- (5) No correction required

22. The government is encouraging investors in helping to startups.

- (1) no correction required
- (2) with help on
- (3) to help
- (4) for help in
- (5) for help

23. The employees were informed about the change in policy vide the circular which was issued yesterday.

- (1) was provided
- (2) which issued
- (3) No correction required
- (4) releasing
- (5) which has to be

Directions (24-30) : In the given passage there are blanks, each of which has been numbered. Against each blank, five words are suggested, one of which fits the blank appropriately. Please select the word which fits the blank appropriately in each case and select that word as your answer.

What was the first language? How did language begin—where and when? Until recently, a linguist would likely respond to these (24) with a shrug and a sign. It's hard to imagine a cultural phenomenon that's more important than the (25) of language. And yet we (26) no conclusive evidence regarding its origins. The absence of such ev-

idence certainly hasn't discouraged (27) about the origins of language. Over the centuries, many theories have been put forward. Each theory accounts for only a (28) part of what we know about language. For example, according to one theory, language began when our ancestors started (29) the natural sounds around them. This means the first speech was onomatopoeic-marked by echoic words such as moo, meow etc. But relatively very few words are onomatopoeic, and these words vary from one language to another. For instance, a dog's bark is heard as au au au in Brazil, ham ham in Albania. Therefore it is (30) to arrive at a definite theory but the search should not stop.

24. (1) intelligence

- (2) query
- (3) questions
- (4) fame
- (5) doubt

25. (1) development

- (2) part
- (3) choices
- (4) most
- (5) better

26. (1) were

- (2) makers
- (3) happens
- (4) providing
- (5) have

27. (1) talked

- (2) chance
- (3) joys
- (4) speculations
- (5) debated

28. (1) much

- (2) hard
- (3) unimportant
- (4) largest
- (5) small

29. (1) change

- (2) looking
- (3) capture
- (4) imitating
- (5) sing

30. (1) try

- (2) not
- (3) going
- (4) difficult
- (5) problem

NUMERICAL ABILITY

31. A alone can complete a given task in 12 days. Together, A

and B take $7\frac{1}{2}$ days to complete the same task. If C alone takes 3 days more than B alone to complete this task, in how many days can C alone complete this task ?

- (1) 24
- (2) 30
- (3) 21
- (4) 23
- (5) 27

32. Out of his monthly salary, Ram invests 10% in mutual funds. Out of the remaining, he spends towards groceries and house-rent in the respective ratio of 2 : 3 and saves nothing. If his house-rent was Rs. 21600, what was his monthly salary? (In Rs.)

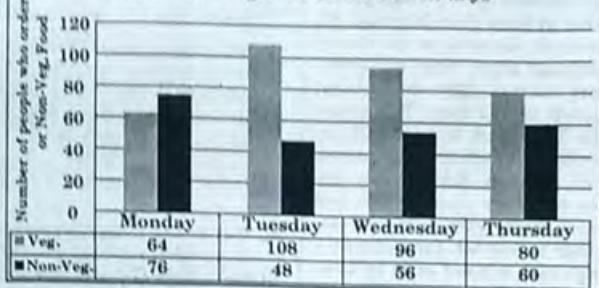
- (1) 54000
- (2) 42000
- (3) 48000
- (4) 36000
- (5) 40000

33. Items A and B cost Rs. 100 and Rs. 'x' respectively. Items A and B were sold at profits of 20% and 25% respectively. If item-A's selling price was Rs. 280 less than that of item-B, what is the value of x ?

- (1) 500
- (2) 900
- (3) 800
- (4) 1000
- (5) None of those given as options

Directions (34-39) : Refer to the graph and answer the given questions.

Data regarding number of people who ordered Veg. or Non-veg. food on 4 different days



34. What is the difference between total number of people who ordered Veg. and Non-veg. food together on Monday and number of people who ordered Veg. food on Thursday ?

(1) 64 (2) 72
(3) 70 (4) 62
(5) 60

35. The number of people who ordered Non-Veg. food on Wednesday was what per cent more than those who ordered Non-Veg. food on Tuesday ?

(1) $16\frac{2}{3}$ (2) 12.5
(3) 20 (4) 17.5
(5) 10

36. What is the average number of people who ordered Veg. food on Monday, Tuesday and Thursday ?

(1) 82 (2) 78
(3) 86 (4) 80
(5) 84

37. The number of people who ordered Veg. food on Monday is by what per cent less than that who ordered Non-veg. food on Tuesday and that who ordered Veg. food on Thursday taken together ?

(1) 30% (2) 40%
(3) 45% (4) 50%
(5) 51.2%

38. If the number of people who ordered Non-veg. food on the

5th day (Friday) was $1\frac{3}{4}$ times

of those who ordered Non-veg. food on Monday, how many people ordered Non-veg. food on Friday ?

(1) 140 (2) 126
(3) 147 (4) 119
(5) 133

39. What is the respective ratio between number of people who ordered Veg. food on Wednesday and those who ordered Non-Veg. food on Thursday ?

(1) 5 : 3 (2) 7 : 5
(3) 7 : 6 (4) 4 : 3
(5) 8 : 5

40. Boat-A's downstream speed is 18 km/hr. If Boat-A's speed in still water is 15.5 km/hr, what distance will it cover upstream in 4 hours ? (In km)

(1) 52
(2) 60
(3) 56
(4) 64
(5) Other than those given as options

41. The respective ratio between base and perpendicular of a right-angled triangle (T) is 3 : 4. If T's base is equal to the side of a square of area 81 cm², what is T's perimeter ? (In cm)

(1) 36 (2) 32
(3) 46 (4) 42

(5) None of those given as options

42. A mixture of milk and water in a jar comprises 22 litres of milk. If 13 litres of pure milk and 3 litres of pure water were added to this jar, the respective ratio between the final quantities of milk and water became 5 : 1. What was the initial quantity of water in the jar ? (In litres)

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

43. A and B start a business by investing Rs. 4000 and Rs. 2000 respectively, the respective ratio between A's and B's periods of investment being 2 : 3. If the total annual profit was Rs. 2800, what was A's share ? (In Rs.)

(1) 1800
(2) 1200
(3) None of those given as options
(4) 1000
(5) 1600

Directions (44-48) : What will come in place of question mark (?) in the given number series ?

44. 7 13 20 28 37 ?
(1) 45 (2) 46
(3) 48 (4) 47
(5) 49
45. 2 5 14 41 122 ?
(1) 373 (2) 371
(3) 367 (4) 375
(5) 365

46. 8 13 23 40 66 ?

- (1) 103 (2) 106
 (3) 101 (4) 107
 (5) 98

47. 8 4.5 5.5 13 56 ?

- (1) 454 (2) 450
 (3) 462 (4) 456
 (5) 460

48. 4 24 120 480 1440 ?

- (1) 2880 (2) 2520
 (3) 2780 (4) 1440
 (5) 720

Directions (49-53) : In each of these questions, two equations (I) and (II) are given. Solve both the equations and

Give answer (1) If $x > y$

Give answer (2) If $x \geq y$

Give answer (3) If $x < y$

Give answer (4) If $x \leq y$

Give answer (5) If $x = y$ or no relationship can be established between x and y

49. I. $x^2 - 15x + 56 = 0$

II. $y^2 = 729$

50. I. $x^2 - 7x + 10 = 0$

II. $y^2 - 8y + 15 = 0$

51. I. $2x^2 - 7x + 6 = 0$

II. $2y^2 - 9y + 10 = 0$

52. I. $x^2 = 36$

II. $y^2 - 11y + 30 = 0$

53. I. $11x = 16 + 7x$

II. $y^2 = 9$

Directions (54-63) : What will come in place of the question mark (?) in the following questions ?

54. $(4.2 + ?) \times \sqrt[3]{125} = 65$

- (1) 8.4 (2) 8.2
 (3) 7.8 (4) 8.6
 (5) 8.8

55. $484.6 - ? - 98.8 = 189.1$

- (1) 198.2 (2) 196.6
 (3) 196.7 (4) 192.4
 (5) 195.2

56. $0.4 \times ? + \sqrt{0.0625} = 120$

- (1) 75 (2) 100
 (3) 60 (4) 80
 (5) 105

57. $38 \times 2 - ? + 4 = 62$

- (1) 64 (2) 48
 (3) 60 (4) 56
 (5) 52

58. $4^2 + 8^2 - 29 = ?$

- (1) 97 (2) 89
 (3) 99 (4) 93
 (5) 91

59. $\frac{3}{4}$ of 140 + $\frac{2}{5}$ of 150 = ?

- (1) 160 (2) 155
 (3) 165 (4) 170
 (5) 175

60. $(\sqrt{256} + ?)^2 = 576$

- (1) 7 (2) 8
 (3) 9 (4) 10
 (5) 6

61. $900 - ?\% \text{ of } 480 = 540$

- (1) 85 (2) 80
 (3) 75 (4) 65
 (5) 70

62. $2^3 + 4^2 \times 8^{-2} = 0.25$

- (1) 12 (2) 10
 (3) 8 (4) 11
 (5) 9

63. $400 + \sqrt{7} \times 2.5 = 5^3$

- (1) 25 (2) 16
 (3) 256 (4) 4
 (5) 64

64. A certain sum invested for 2 years in a scheme offering compound interest (compounded annually) at the rate of 20% yields an interest of Rs. 990. What would have been the amount received, had the same sum been invested for 2 years in a scheme offering simple interest at the rate of 20% p.a. ? (In Rs.)

(1) 2950

(2) 2640

(3) None of those given as options

(4) 2880

(5) 3150

65. A man covered half of his journey at 'x' km/hr and the remaining at '4x' km/hr. If his average speed for the entire journey was 38.4 km/hr, what is the value of x ?

(1) Cannot be determined

(2) 24 (3) 48

(4) 108 (5) 36

REASONING ABILITY

Directions (66-70) : The questions given below are based on the following five three letter words :

NEW CAR HOP LAP OAK

66. If in each of the given words, each vowel is changed to the next letter and each consonant is changed to the previous letter as per the English alphabetical order, in how many words thus formed will atleast one vowel appear ?

(Note: The words formed after the said operation may or may not be meaningful English words)

(1) One

(2) More than three

(3) Two

(4) None

(5) Three

67. If the second and last letters of each of the given words are interchanged within the word then how many words thus formed will be meaningful English words ?

(1) One

(2) None

(3) Two

(4) More than three

(5) Three

68. How many letters are there in the English alphabetical order between first letter of the first word from the left and first letter of the second word from the right ?

- (1) None (2) Three
(3) More than three
(4) One (5) Two

69. If letter 'B' is added before the first letter of each of the given words, how many words thus formed will be meaningful English words ?

- (1) More than three
(2) One (3) Two
(4) None (5) Three

70. If the given words are arranged in the order as they would appear in the English dictionary from left to right, which of the following will be the fourth word from the right ?

- (1) NEW (2) CAR
(3) OAK (4) LAP
(5) HOP

71. A correctly remembers that B's birthday is in the month of January. C correctly remembers B's birthday is after 15th January. D correctly remembers that B's birthday is on a Wednesday and before 25th January. If the first day of January was a Sunday that year then on which date is B's birthday ?

- (1) 18th (2) 22nd
(3) 17th (4) 20th
(5) 23rd

72. If all the digits of the number '386429715' are arranged in ascending order within the number then, the position of how many digits will remain unchanged in the resultant number as compared to the original number ?

- (1) More than three
(2) Two (3) Three
(4) None (5) One

Directions (73-75) : In each of the following questions, relationship between different elements is shown in the statements. The statement/s is/are followed by two Conclusions numbered I and II. Study the Conclusions based on the given statements and select the appropriate answer.

Give answer (1) if both the Conclusion I and Conclusion II are true

Give answer (2) if either Conclusion I or Conclusion II is true

Give answer (3) if only Conclusion I is true

Give answer (4) if only Conclusion II is true

Give answer (5) if neither Conclusion I nor Conclusion II is true

73. Statements :

$$X > Y > Z \geq V; Z \geq D > M$$

Conclusions :

I. $V \leq M$

II. $X > D$

74. Statement :

$$J < K = L \leq M > N \geq O$$

Conclusions :

I. $M > J$

II. $O \leq L$

75. Statements :

$$A \geq B > C \leq D; P = B < I$$

Conclusions :

I. $A > I$

II. $D > P$

Directions (76-78) : Study the following information carefully and answer the questions given below :

A is married to B. C is the only son of B. D is the wife of C. E is the brother of D. F is the mother-in-law of E. F has only one child. G is the only granddaughter of F. H is the nephew of E. K is the grandfather of H. K has only two children.

76. How is H related to A ?

- (1) Father (2) Son
(3) Nephew (4) Grandson
(5) Uncle

77. If G is the daughter of R, then how is R related to K ?

- (1) Daughter-in-law
(2) Daughter
(3) Sister
(4) Sister-in-law
(5) Niece

78. How is C related to K ?

- (1) Son (2) Brother
(3) Brother-in-law
(4) Nephew (5) Son-in-law

Directions (79-81) : Study the following information carefully and answer the questions given below :

Each of six people : P, Q, R, S, T and U is of a different height. Only two people are taller than P. Q is shorter than P but taller than R. S is shorter than Q. T is taller than Q but not the tallest. S is not the shortest. P is 170 cm tall. The one who is second shortest is 140 cm tall.

(Note : All heights are in whole numbers only)

79. What may be the probable height of Q ?

- (1) 135cm (2) 170cm
(3) 180cm (4) 140cm
(5) 155cm

80. Who amongst the following is the third shortest ?

- (1) Q (2) U
(3) T (4) S
(5) R

81. If the sum of heights of S and T is 320 cm and the sum of heights of P and U is 360 cm then what would be the sum of heights of U and T ?

- (1) 330 cm (2) 370 cm
(3) 360 cm (4) 340 cm
(5) 350 cm

82. Four of the following five are alike in a certain way based on their positions in the English alphabetical order and thus they form a group. Identify the one which does not belong to the group ?

- (1) KHLJ (2) LIK
(3) URT (4) FCE
(5) ORP

Directions (83-86) : Study the following information carefully and answer the questions given below :

Seven boxes are kept one above the other in a stack. Only four boxes are kept between box A and box B. Box B is kept immediately above box C. Only one box is kept between box B and box D. Only one box is kept between box D and box E. Box F is kept at one of the positions below box A but above box G.

83. As per the given arrangement, which box is kept immediately above box E ?

- (1) D (2) F
(3) G (4) A
(5) C

84. As per the given arrangement, how many boxes are kept between box A and box F ?

- (1) Two
(2) Three
(3) None
(4) More than three
(5) One

85. Which of the following statements is true based on the given arrangement ?

- (1) Only one box is kept between box F and box D.
(2) As many boxes are kept below box A as above box C.
(3) Only two boxes are kept above box D.
(4) Box E is kept at the top of the stack.
(5) None of the given statements is true

86. As per the given arrangement, as many boxes are kept above box B as below box _____

- (1) C (2) G
(3) E (4) A
(5) F

Directions (87-90) : In each of the following questions, three statements followed by two conclusions numbered I and II are given. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given Conclusions logically follows :

Give answer (1) if both the Conclusion I and Conclusion II follow.

Give answer (2) if either Conclusion I or Conclusion II follows

Give answer (3) if only Conclusion I follows

Give answer (4) if only Conclusion II follows

Give answer (5) if neither Conclusion I nor Conclusion II follows

87. Statements :

No router is a switch.
All switches are hubs.
Only a few hubs are gateways.

Conclusions :

- I. All routers can never be gateways.
II. Some hubs are definitely not routers.

88. Statements :

All paragraphs are lines.
No line is a word.
Only a few words are meanings.

Conclusions :

- I. No paragraph is a word.
II. All lines can never be meanings.

89. Statements :

Only a few arts are brands.
No brand is a culture.
Only a few cultures are democracies.

Conclusions :

- I. All democracies can never be brands.
II. All cultures can never be arts.

90. Statements :

All institutes are colleges.
Only a few colleges are universities.

Only a few universities are schools.

Conclusions :

- I. No college is a school.
II. At least some institutes are universities.

Directions (91-95) : Study the following information carefully and answer the questions given below :

Eight people are sitting around a circular table facing the centre. Only one person sits between P and Q (either from left or right). R sits third to the right of Q. Only three people sit between R and S. T sits second to the left of S. Only three people sit between T and U. V sits second to the right of W. W is not an immediate neighbour of T.

91. As per the given arrangement, what is the position of S with respect to U ?

- (1) Third to the right
(2) Third to the left
(3) Immediate left
(4) Immediate right
(5) Second to the left

92. As per the given arrangement, as many people sit between Q and W when counted from the right of Q as between V and _____ when counted from the left of V.

- (1) T (2) S
(3) W (4) P
(5) U

93. Four of the following five are alike in a certain way based on their positions in the given arrangement and thus they form a group. Identify the one which does not belong to the group.

- (1) P - T (2) T - S
(3) Q - W (4) U - R
(5) V - P

94. As per the given arrangement, who sits third to the right of R ?

- (1) U (2) S
(3) T (4) P
(5) W

95. Which of the following statements is true based on the given arrangement ?

- (1) P sits to the immediate left of S.
- (2) All of the given statements are true.
- (3) Only two people sit between Q and T (either from left or right)
- (4) Only one person sits between R and T (either from left or right)
- (5) U is an immediate neighbour of Q.

Directions (96-100) : Study the following information carefully and answer the questions given below :

Eight people are sitting in a straight line facing north. A sits fourth from one of the extreme ends of the line. B sits third to the right of A. Only one person sits between B and C. D sits at one of the positions to the right of C. D does not sit at any of the extreme ends of the line. Only three people sit between D and E. More than two people sit between E and F. G sits at one of the positions to the left of H.

96. As per the given arrangement, how many people sit between H and C ?

- (1) Three
- (2) One
- (3) None
- (4) Two
- (5) More than three

97. E is related to A in the same way as D is related to F, following the same pattern whom is G related to ?

- (1) D
- (2) E
- (3) H
- (4) C
- (5) B

98. As per the given arrangement, which of the following represents the position of G?

- (1) First from the left end of the line
- (2) Second from the right end of the line
- (3) Fifth from the left end of the line
- (4) Second from the left end of the line
- (5) Fourth from the right end of the line

99. Which of the following statements is TRUE based on the given arrangement ?

- (1) Only three people sit between F and E.
- (2) None of the given statements is true
- (3) Only one person sits between A and G.
- (4) C sits third to the left of F.
- (5) No one sits to the right of H.

100. As per the given arrangement, as many people sit to the right of B as to the left of

- _____.
- (1) H
 - (2) F
 - (3) G
 - (4) D
 - (5) E