

BANK CLERK (PRE.) EXAM 2018

ENGLISH LANGUAGE

Directions (Q. Nos. 1-6): Read the following passage and answer the questions that follow it. Some word are highlighted to help you answer some of the questions.

Conversations about the role of flexible working have shifted. It's no longer enough for companies to offer employees the option to either work from home or the office. Employees want to work from anywhere. Companies that want to attract and retain top talent and ensure teams are highly productive, need to adapt their culture and technology to accommodate this shift in attitudes. And this is where the IT department can solidify its role as a valued contributor to the success of a company, by implementing technologies that enable secure and remote collaboration.

According to a recently commissioned Polycom survey, 24000 respondents across 12 countries indicate that nearly two-thirds of today's global workforce take advantage of the anywhere working model. This is a significant shift since May of 2012 when only 14% of employees benefited from remote working. The survey results also provide insights into some of the concerns among companies in moving forward with the anywhere working model. Two significant concerns are a lack of trust and the perception that employees are not working as hard when they are not in the office. Also, among the 45-60 year-old age group, 59% worry that working anywhere will cause them to work longer hours. The fear of being always connected to work and overworking is a significant deterrent

for this age group. A good first step for companies to overcome the trust and perception concern is to ensure workers are measured by output and not by the hours they have worked, commonly referred to as 'presenteeism.' Countries like Brazil lead the pack here with 80% of employees adopting the anywhere working model and 64% respondents use video to communicate several times a day. When respondents were asked how their companies could improve trust and perceptions with the anywhere working model, the most popular recommendations were to Equip workers with technology that is easy to use and which connects them to their colleagues; Ensure the same policies are applied to everyone in the business, regardless of seniority or their situation; and Provide guidelines on how to manage working from anywhere. 91% of those surveyed agreed that technology is a key factor in improving relationships and **fostering** better teamwork. This suggests that investing in the right technologies, in particular video collaboration, to get the most out of individuals and teams can help solve the lack of trust and perception concerns. And this is where the IT department can become a difference maker as they can implement technologies, such as video conferencing, to ensure colleagues can seamlessly collaborate wherever they are.

1. What is the shift in attitude of employees as discussed in the passage?

- I. They want to work in office.**
- II. They want to work from home.**
- III. They want to work from anywhere**

- (a) Only I (b) Both II and III
- (c) Only III (d) Only II
- (e) None of these

2. How could companies accommodate the recent shift in attitude of employees as discussed in the passage?

- (a) By offering work from home option to employees
- (b) By enabling secure and remote collaboration
- (c) By increasing the salaries of employees
- (d) Both 'a' and 'b'
- (e) None of the above

3. Which of the following mention (s) the concern of the companies to accommodate the latest preference of employees of working styles?

- (a) Lack of trust for employees
- (b) perception that-employees will not work hard anywhere apart from office.
- (c) Working anywhere would make employees to work longer hours
- (d) 'b' and 'c'
- (e) 'a' and 'b'

4. How could companies overcome their concerns for the latest preferences of employees for style of working?

- (a) By not offering work from home model
- (b) By measuring employees for the output they generate and not by the hours they have worked
- (c) By offering work from anywhere model
- (d) By allowing only those who are interested to work from anywhere
- (e) None of the above

5. Which of the following opinions as expressed in the survey about solving the trust and perceiving concerns of the companies in accommodating the latest preference of employees for style of work has received more than 91%?

- (a) Investing in technology
- (b) Providing guidelines on how to manage working from anywhere
- (c) Ensuring the same policies are applied to everyone regardless of seniority
- (d) Both 'a' and 'c'
- (e) None of the above

6. Which of the following options has a meaning which is SIMILAR to the word 'Fostering'?

- (a) Asserting
- (b) Focusing
- (c) Collaborating
- (d) Encouraging
- (e) Admitting

Directions (Q Nos 7-11): Rearrange the following five sentences A, B, C, D and E in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- A. Crucially, this loss of sheen is reflected in the account books of the sport's controversial administrator, among the richest in the world.
 - B. The total income that was distributed by BCCT among players is reduced because of lower income from media rights.
 - C. Television viewership for the game has dropped 40% to a weekly 61 gross rating points (GRPs)
 - D. A Board of Control for Cricket in India official said, however, that this was because India wasn't playing enough at home.
 - E. Cricket seems to be losing its crowd-pulling power.
7. Which of the following is the FOURTH sentence of the final sequence?

- (a) A
- (b) D
- (c) E
- (d) B
- (e) C

8. Which of the following is the FIRST sentence of final sequence ?

- (a) E
- (b) C
- (c) D
- (d) A
- (e) B

9. Which of the following is the SECOND sentence of the final sequence ?

- (a) E
- (b) A
- (c) C
- (d) D
- (e) B

10. Which of the following is the THIRD sentence of the final sequence ?

- (a) E
- (b) A
- (c) D
- (d) C
- (e) B

11. Which of the following is the FIFTH sentence of the final sequence ?

- (a) C
- (b) A
- (c) E
- (d) D
- (e) B

Directions (Q Nos : 12-15) : in the following questions, a sentence is given consisting four highlighted words are Italic. Choose the option reflecting the word which is either misspelt or grammatically incorrect. If all the highlighted words are correct, choose option i.e., 'no error' as your answer choice.

12. Making the request for a non-smoking room seemed *resonable* for everyone since the woman, was *allergic* to smoke.

- (a) Making
- (b) Request
- (c) Resonable
- (d) Allergic
- (e) No error

13. When we are *involved* in large scale projects, we must make *judgements* on an *individual basic* about whether they are good or bad.

- (a) involved
- (b) judgements
- (c) individual

- (d) basis
- (e) No error

14. Several *experiment* were tried, to *determine* positively *whether* or not she had any *preception* of sound.

- (a) experiments
- (b) determine
- (c) whether
- (d) perception
- (e) No error

15. When the man gave the *terrific* persuasive speech at the *conference*, the observers *applaud* with gusto by *putting* their hands together.

- (a) terrific
- (b) conference
- (c) applaud
- (d) putting
- (e) No error

Directions (Q. Nos 16-20): In the following questions two columns are given containing three sentences/ phrases each. In first column, sentences/ phrases are A, B and C and in the second column the sentences/ phrases are D, E and F, A sentences/ phrases from the first column may or may not connect with another sentences/phrases from the second column to make a grammatical and contextually correct sentence. Each question has five option which display the sequence(s) in which the sentences/ phrases can be joined to form a grammatically and contextually correct sentence. Choose the correct combination of parts that make a meaningful sentence.

16. Column I

Column II

- | | |
|--|---|
| (A) There is emerging international recognition | (D) and create societies where all can live with hope and dignity |
| (B) It can serve as the driving force to restore hope | (E) Our work makes us feel productive and empowered |
| (C) The earnest determination distilled in these words is the spirit we all need | (F) That women's participation is key to effective climate action |

- (a) C-F, A-D and A-E
- (b) B-E
- (c) A-F
- (d) A-D and C-E
- (e) A-P and B-E

17. Column I Column II

- (A) Over time, there are changes that take place. (D) where they house an array of species.
- (B) In the case of primary succession (E) that ecological communities move from possessing very little species diversity
- (C) In other cases a pre-existing group of is replaced by a new group of species. (F) in the composition of species that constitute an ecological community
- (a) C-F, A-D and A-E
 - (b) B-D
 - (c) A-F
 - (d) B-E and C-D
 - (e) B-D

18. Column I Column II

- (A) The increase in MSP for rabi crops comes (D) The government said in a release
- (B) There are notified crops (E) Just ahead of the RBI monetary policy announcement
- (C) For big companies there are instances (F) Of even the infrastructure getting damaged
- (a) C-F
 - (b) C-F and B-E
 - (c) A-E
 - (d) C-F and A-E
 - (e) B-F, B-E and A-D

19. Column I Column II

- (A) India will be the third largest aviation (D) market globally a year sooner
- (B) The biggest contribution in (E) as the world's largest aviation
- (C) Fastly, we are seeing an/a (F) restrictive protectionist measures
- (a) C-D, A-F and B-D
 - (b) B-F
 - (c) A-D
 - (d) C-E and B-D
 - (e) B-E

20. Column I Column II

- (A) Researchers are only beginning to understand the power (D) Cannot be borne by science alone
- (B) As our understanding grows we will have the potential (E) to edit out genes that cause total diseases
- (C) The burden of gene editing (F) would not be passed down the family tree.
- (a) A-D, B-E and B-D
 - (b) B-E and C-D
 - (c) A-F
 - (d) B-F and C-E
 - (e) C-E

Directions (Q. Nos. 21-25): Given below are sentences consisting a blank in each identify the most suitable alternative among the five given that fits into the blank to make the sentence logical and meaningful.

21. In.....to picking up milk from the grocery store, we also need to get some bread, because my cousin ate all of it this past week.
- (a) further (b) addition
 - (c) computation (d) aftermath
 - (e) besides
22. He.....on things being done in the most efficient way and he usually does them that way himself.
- (a) requesting (b) conserves
 - (c) urge (d) insists
 - (e) discourages
23. If the quality of your product meets with our customer's approval, we will place.....orders.
- (a) interrupted (b) reduced
 - (c) regular (d) choice
 - (e) conditional
24. Tom seems to be unwilling to believe that Mary was the one who.....his credit cards.
- (a) stole (b) run
 - (c) accept (d) delivery
 - (e) checking
25. The circular will guide the regional investment.....and budgeting processes for FY 2020 Budget.
- (a) programming
 - (b) scheduled

- (c) arrange
- (d) planned
- (e) records

Directions (Q. Nos. 26-30): The following questions consist of a sentence with a highlighted phrase which may or may not be grammatically or contextually correct. Choose the most suitable option that will replace the incorrect highlighted phrase to form a grammatically correct and meaningful sentence. If the given highlighted phrase is correct. Choose option (e) i.e., 'no replacement required' as your answer choice.

26. India has suffered from terrorism. So has Pakistan. And *it turns out*, now the first world too is not immune.
- (a) turning out to
 - (b) it turns to
 - (c) it turned out to be
 - (d) it turning out
 - (e) No replacement required
27. The advocate declared in the court that his client *has prepared to surrender*.
- (a) was prepared to
 - (b) has been preparing for
 - (c) was prepared at
 - (d) has prepared for
 - (e) No correction required
28. Any step that the Prime Minister takes to remove violence in the country *will be appreciate*.
- (a) will appreciated
 - (b) will have appreciated
 - (c) was appreciating
 - (d) will be appreciated
 - (e) were appreciating
29. If this is freedom of speech, then it *must been curtailed* immediately.
- (a) have being curtailing
 - (b) must be curtailed
 - (c) must have been curtailed
 - (d) have been curtailed
 - (e) No correction required
30. When the police started asking questions, the suspect *clammed up*.
- (a) camped down
 - (b) clamped up
 - (c) clam out
 - (d) clamed off
 - (e) No correction required.

NUMERICAL ABILITY

Directions (31-35): What will come in the place of question marks in the following number series.

31. 200, 193, 179, 158, ?, 95

- (a) 135 (b) 133
(c) 132 (d) 130
(e) 128

32. 3, 43, 81, 115, 143, ?

- (a) 163 (b) 172
(c) 166 (d) 160
(e) 168

33. 1, 6, 25, 76, 153, ?

- (a) 152 (b) 154
(c) 153 (d) 155
(e) 156

34. 50, 54, 45, 61, 36, ?

- (a) 66 (b) 72
(c) 75 (d) 80
(e) 84

35. 9, 45, 180, 540, ?, 1080

- (a) 720 (b) 900
(c) 1080 (d) 1200
(e) 960

36. If the sum of upstream and downstream speed is 36 km/h and the speed of the current is 3 km/h. Then find time taken to cover 52.5 km in downward?

- (a) 2 h (b) 2.5 h
(c) 3 h (d) 3.5 h
(e) 4 h

37. A sum becomes 1.6 times of itself in 5 years at simple rate of interest. Find rate of interest per annum?

- (a) 10% (b) 12.5%
(c) 15% (d) 12%
(e) 8.5%

Directions (Q. Nos. 38-47) Calculate the exact value of the 'x' in the given following questions.

38. $x^2 + (9^2 + 34) \div 5 = 39$

- (a) 5 (b) 4
(c) 8 (d) 6
(e) 9

39. $6 \times 16 \times 5 \div 3 - x^2 = 96$

- (a) 6 (b) 7
(c) 8 (d) 9
(e) 5

40. $\sqrt{124 + x + 169} = 18$

- (a) 27 (b) 28
(c) 29 (d) 30
(e) 31

41. $28^2 - x^3 = 7^3 + 225$

- (a) 6 (b) 8
(c) 4 (d) 7
(e) 5

42. $298 - 13^2 - 2^3 = x \times 11$

- (a) 51 (b) 41
(c) 21 (d) 31

43. $\sqrt[3]{729} + 3\frac{3}{5} + x = \sqrt{16 \times 9}$

- (a) 1 (b) 1.4
(c) 1.2 (d) 1.6
(e) 2

44. $x\% \text{ of } 300 + \sqrt{256} = 243 \div 3 + 7$

- (a) 18 (b) 24
(c) 16 (d) 28
(e) 32

45. $x \times 3 \div 8 = \sqrt[3]{512} \times \sqrt{12^2}$

- (a) 256 (b) 512
(c) 64 (d) 128
(e) 320

46. $136 \div 2^2 \times x = 17\% \text{ of } 500 \div 10$

- (a) 1 (b) 0.5
(c) 0.25 (d) 0.125
(e) 1.25

47. $1836 \div x \div 9 = 12$

- (a) 9 (b) 11
(c) 13 (d) 15
(e) 17

48. Ratio of present ages of two persons A and B is 3 : 2 and after four years ratio of their age (B : A) become 7 : 10. Then find the present age of B?

- (a) 20 yr (b) 18 yr
(c) 24 yr (d) 36 yr
(e) 30 yr

49. The difference between Circumference of circle A and diameter is 90 cm. If Radius of circle B is 7 cm less than circle A then find area of circle B?

- (a) 556 cm² (b) 616 cm²
(c) 588 cm² (d) 532 cm²
(e) 630 cm²

50. There are 40 children in a class in which boys are 4 more than the girls. Average weight of all the students is 42.5 kg and the average weight of all the girls is 48 kg then find the average weight of all the boys.

- (a) 39.5 kg (b) 38 kg
(c) 40.5 kg (d) 36.75 kg
(e) 40.25 kg

Directions (Q. Nos. 51-55): In each question two equations numbered I and II are given. Student should solve both the equations and mark appropriate answer.

- a. if $x = y$ or no relation can be established
b. if $x > y$
c. if $x < y$
d. if $x > = y$
e. if $x < = y$

51. I. $8x^2 + 6x + 1 = 0$

II. $3y^2 + 7y + 2 = 0$

52. I. $x^2 = 196$

II. $y^2 - 26y + 169 = 0$

53. I. $9x^2 - 12x + 4 = 0$

II. $8y^2 - 9y + 1 = 0$

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

II. $y = \sqrt[3]{512}$

55. I. $3x^2 + 10x + 8 = 0$

II. $2y^2 + 3y + 1 = 0$

56. A man invested 15% of his monthly income in LIC and remaining gave to his mother. Mother spend 10% of it in household expenses and she had left with ₹ 30600 then find the salary of man?

- (a) ₹ 37500 (b) ₹ 36000
(c) ₹ 42000 (d) ₹ 42000
(e) ₹ 40000

57. If 7 marks are awarded to right answer and 4 marks are penalty for wrong answer. Then Prabhat's score was 263. If he attempted 58 questions then find number of correctly attempted questions?

- (a) 45 (b) 42
(c) 48 (d) 40
(e) 50

58. In a city, 68% of population is literate in which ratio of male to female is 11 : 6. And ratio of illiterate male to female is 3 : 1. Find the ratio of literate female to illiterate female in that city.

- (a) 3 : 2 (b) 2 : 1
(c) 3 : 1 (d) 4 : 1
(e) 5 : 2

59. Ratio of length of breadth of a rectangle is 4 : 3. If the area of that rectangle is 108 cm² and breadth of this rectangle is equal to the side of a square then find the area of that square.

- (a) 49 cm² (b) 100 cm²
(c) 64 cm² (d) 81 cm²
(e) 121 cm²

60. A is 1.5 times as efficient as that of B and C takes half time as compared to that of A. If A and B

takes $2\frac{2}{5}$ days to complete half of the work then find the time, taken by A and C together to complete the whole work ?

- (a) $2\frac{1}{3}$ days (b) $3\frac{1}{3}$ days
(c) $1\frac{1}{3}$ days (d) $1\frac{2}{3}$ days
(e) $2\frac{2}{3}$ days

Directions (Q. Nos 61-65): Given below table shows the number of cakes of five different types sold by a shopkeeper on four different days. Study the data and answer the questions that follows.

DaysType of Cake	A	B	C	D	E
Saturday	25	28	35	50	38
Sunday	35	65	48	42	47
Monday	38	60	40	24	29
Tuesday	46	54	55	44	30

61. What is the ratio of number of cakes of type B sold by the shopkeeper on Saturday and Monday together to the number of cakes of type E sold by him on the same days?

- (a) 72 : 53 (b) 88 : 67
(c) 98 : 73 (d) 92 : 71
(e) 90 : 67

62. What is average number of cakes of type C sold by shopkeeper on Saturday, Sunday and Tuesday ?

- (a) 38 (b) 40
(c) 42 (d) 44
(e) 46

63. The number of cakes of type D and E sold together on Tuesday is what percent of the number of cakes of type A and B sold together on Sunday?

- (a) 72% (b) 75%
(c) 74% (d) 78%
(e) 80%

64. What is the difference between the total number of cakes of all given types sold by shopkeeper on Monday and the total number of cakes of all the given types sold by shopkeeper on Tuesday?

- (a) 38 (b) 44
(c) 42 (d) 40
(e) 45

65. If the number of cakes of type E sold by the shopkeeper in given four days is 25% more than the number of cakes sold of type D in all the given days, then find the number of cakes sold of type F in all the given days.

- (a) 164 (b) 160
(c) 180 (d) 200
(e) 240

REASONING ABILITY

Directions (Q. Nos. 66-70): Study the given information carefully and answer the given questions.

Seven persons A, B, C, D, E, F and G are watching movies on different days of the week (starting on Monday and ending on Sunday) not necessarily in the same order. B is going to watch movie on 'Tuesday. F is going to watch movie on adjacent day of B. There are three days gap between the days on which F and A are going to watch movie. G is going to watch movie just after D. There are as many persons are watching movie between A and G, same as between D and C. C is watching movie before D, but not just before.

66. Who among the following is going to watch movie on Wednesday?

- (a) B (b) C
(c) F (d) E
(e) None of these

67. Who among the following person is going to watch movie just after A?

- (a) C (b) D
(c) F (d) G
(e) None of these

68. If F and G interchange their days of watching movie, then on which day G is watching movie?

- (a) Monday (b) Wednesday
(c) Friday (d) Saturday
(e) None of these

69. C is watching movie on which day?

- (a) Friday (b) Saturday
(c) Wednesday (d) Thursday
(e) Tuesday

70. How many persons are watching movie between B and A?

- (a) Two (b) Three
(c) One (d) Four
(e) None of these

Directions (Q. Nos. 71-73): Study the following information carefully and answer the questions given below.

There are six persons who all are of different height. A is taller than C and D but shorter than E. The one who is third shortest is 102 cm in height. B is taller than A. E is not the tallest. The one who is second tallest is 119 cm in height. Neither A nor C is the third shortest person among all. C is not the shortest among all. F is taller than D.

71. Who among the following is the second tallest?

- (a) F (b) E
(c) A (d) C
(e) None of these

72. What will be the possible height of A?

- (a) 120 cm (b) 100 cm
(c) 112 cm (d) 101 cm
(e) None of these

73. Who among the following is third shortest?

- (a) A (b) C
(c) B (d) F
(e) None of these

Directions (Q. Nos. 74-78): Study the following information carefully and answer the given questions.

Twelve persons are sitting in two parallel rows at equal distance facing each other. Q, R, S, T, U and V are sitting in Row 1 facing South. B, C, D, E, F and G are sitting in Row 2 facing North (but not necessarily in the same order). G sits third to the right of B and one of them sits at the end of the row. Q sits at the right end of the row. Three persons sit between Q and T. F sits to the immediate left of G. Two persons sit between F and C. C who faces R sits to the immediate right of E, S faces D. U sits to the immediate left of S.

74. Which of the following pair sits at the extreme ends of the Row 2?

- (a) B and E (b) G and E
(c) B and C (d) G and C
(e) None of these

75. Who sits second to the left of the person facing V?

- (a) B (b) D
(c) F (d) C
(e) G

76. What is the position of U with respect to R?

- (a) Third to the left
(b) Second to the left
(c) Second to the right
(d) Third to the right
(e) None of the above

77. Who is facing F?

- (a) T (b) U
(c) Q (d) S
(e) None of these

78. If the positions of all persons sitting in Row 2 are arranged as per the English alphabetical order from left to right, then who among the following faces D?

- (a) Q (b) R
(c) S (d) T
(e) None of these

Directions (Q. Nos. 79-81): In each of the following questions some statements are given and these statements are followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Give answer

- (a) if only I conclusions follows
(b) if only II conclusions follows
(c) if either I or II follows
(d) if neither I nor II follow
(e) if both I and II follows

79. **Statements** All DSLR are Lenses. Some Camera are DSLR.

Conclusions

- I. All camera is lenses
II. Some lenses are camera

80. **Statements** All label are packets.

All mobiles are cables.
Some mobiles are Packets.

Conclusions

- I. Some label is mobile.
II. Some cables are label.

81. **Statements** Some books are Pen.

Some pens are pencil.

Conclusions :

- I. No book is pencil.
II. All pencils are book.

Directions (Q. Nos. 82-86): Study the following information to answer the given questions.

Eight students A, B, C, D, E, F, G and H are sitting around a square table in such a way four of them sit at four corners while four sit in the middle of each of the four sides. The one who sit at the corners face the centre and others facing outside.

A who faces the centre sits third to the left of F. E who faces the centre is not an immediate neighbour of F. Only one person sits between F and G. D sits second to right of B. B faces the centre. G is not an immediate neighbour of A.

82. Which one does not belong to that group out of five?

- (a) B (b) C
(c) E (d) D
(e) A

83. Which will come in the place of? BCE EHA AGD?

- (a) DFB (b) DGA
(c) DCG (d) DCF
(e) None of these

84. What is the position of G with respect to C?

- (a) Third to the right
(b) Second to the left
(c) Second to the right
(d) Fourth of the right
(e) None of the above

85. Who sits third to the left of B?

- (a) H (b) A
(c) G (d) F
(e) None of these

86. Which is true from the given arrangement?

- (a) G faces the centre
(b) B faces outside
(c) H faces inside
(d) A face the centre
(e) None of the above

87. How many pairs of letter are there in the word 'DECLARING' (both backward and forward), each of which has as many letters between them as in the word as there are in the English alphabet?

- (a) One (b) Three
(c) Four (d) Five
(e) None of these

Directions (Q. Nos. 88-90): Study the following information carefully and answer the questions given below.

Point G is 15 m in the East of point F. Point A is 10 m West of point B which is 15 m North of point H. Point D is 15 West of point E. Point B is 15 m South of point C. Point E is 5 m East of point H. Point G is 15 m North of point A.

88. In which direction and at what distance is point G from point C ?

- (a) 10 m, East (b) 5 m, East
(c) 10 m, West (d) 5 m, West
(e) None of these

89. Point D is in which direction with respect to point A?

- (a) South (b) North
(c) North-East (d) West
(e) None of these

90. Point F is in which direction with respect to point E?

- (a) North-East (b) South-West
(c) South-East (d) North-West
(e) None of these

Directions : (Q. Nos. 91-95): Following questions are based on the five words given below, Study the following words and answer the following questions.

TAP NOT MAT PQR STB

(The new words formed after performing the mentioned operations may not necessarily be a meaningful English word.)

91. If the given words are arranged in the order as they appear in a dictionary from right to left, which of the following will be second from the left end?

(a) MAT (b) NOT
(c) STB (d) TAP
(e) None of these

92. How many letters are there in the English alphabetical series between the third letter of the words which is second from the left and the second letter of the word which is third from the right end?

(a) 20 (b) 19
(c) 18 (d) 17
(e) None of these

93. If in each of the word given, the second alphabet is replaced by its following alphabet and third alphabet is replaced by its preceding alphabet as per the English alphabetical order, then how many words thus formed will be without any vowels?

(a) None (b) One
(c) Two (d) Three
(e) Four

94. If the positions of the first and the third alphabet in each of the words given are interchanged, then how many meaningful word will be formed?

(a) Two (b) One
(c) Four (d) Three
(e) None of these

95. If in each of the given words, every consonant is changed to its previous letter and every vowel is changed to its next letter according to the English alphabetical series, then in how many words, thus formed, at least one vowels will appear?

(a) None (b) One
(c) Two (d) Three
(e) None of these

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

There are seven persons i.e. A, B, C, D, E, F and G. They all belongs to the different cities i.e. Kolkata, Mumbai, Chennai, Pune, Lucknow, Ahmadabad and Delhi, but not necessarily in the same order. D belongs to Pune. Neither A nor F belongs to Kolkata. B belongs to Ahmedabad. C does not belong to Kolkata and Lucknow. G belongs to

Mumbai. A does not belongs to Lucknow and Chennai.

96. Who among the following belongs to Kolkata?

(a) A (b) D
(c) F (d) G
(e) None of these

97. Which of the following statements is true?

(a) A belongs to Chennai
(b) G belongs to Delhi
(c) E belongs to Kolkata
(d) F belongs to Pune
(e) None of the above

98. F belongs to which of the following City?

(a) Chennai (b) Mumbai
(c) Delhi (d) Lucknow
(e) None of these

99. Which of the following combination is true?

(a) A-Delhi
(b) D-Pune
(c) E-Kolkata
(d) All are correct
(e) All are incorrect

100. A belongs to which of the following city?

(a) Delhi (b) Mumbai
(c) Kolkata (d) Chennai
(e) None of these

Answers with Explanations

ENGLISH LANGUAGE

1. (c) The shift in altitude of employees as discussed in the passage is that they want to work from anywhere.
2. (b) By enabling socure and remote collaboration, companies could accommodate the recent shift in altitudes of employees.
3. (e) The main concern of the companies regarding 'Working from Anywhere' is Lack of trust for employees and perception of the employer that employees will

not work hard anywhere apart from office.

4. (b) By measuring employees for the output they generate and not by hours they work, a company can overcome their concern about employees' preference for 'Working from Anywhere'.
5. (a) 91% of the those who were surveyed were of the view that technology is a key factor in improving relationship and fostering better team work.
6. (d)
7. (d) The final sequence we get is ECABD. Sentence B is the fourth

sentence of the final sequence.

8. (a) Sentnece E is the first sentence of the final sequence. The sentence E introduces the theme of the paragraph which is discussion about 'dying of cricket in India'.
9. (c) 10. (b)
11. (d) Sentence (D) is the fifth sentence of the final sequence. It is the appropriate concluding sentence of the paragraph.
12. (c) 'Reasonable' is misspelt word used among the highlighted word. Correct spelling of the word is 'Reasonable' and it

means having sound judgement fair and sensible.

13. (b)
14. (a) Among the highlighted words, the misspelt word is 'Experiments'. The precise spelling of the words is 'Experiments' and it means to perform scientific procedure especially in a laboratory to determine something.
15. (c) 'Applaud' is incorrect here. It should be used in Past tense as the whole sentence is in simple Past tense.
16. (c) Combination A-F forms grammatically viable and contextually meaningful sentence as the relevant phrases are of similar context and in appropriate grammatical syntax. The sentence thus formed is 'There is emerging international recognition that women's participation is key to effective climate action.'
17. (c) Combination A-F forms grammatically viable and contextually meaningful sentence as the relevant phrases are of similar context and in appropriate grammatical syntax.
18. (d) 19. (c)
20. (b) Combination B-E and C-D successfully form grammatically viable and contextually meaningful sentence as the relevant phrases are of similar context and in appropriate grammatical syntax.
21. (b) The most appropriate word to the blank is 'addition' as 'in addition to' is a phrase which is used for saying that something together with the thing being talked about.
22. (d) The most appropriate word to fill the blank is 'insists'. Insists is a verb which means be determined not accepting refusal.
23. (c) The most appropriate word to fill the blank is 'regular' meaning occurring at regular intervals. As per the sentence this option is the only word that suits the blank.

24. (a) Most appropriate word to fill the blank is 'stole'.
25. (a) 'Programming' is the most appropriate word to fill the blank. All other words are out of context here.
26. (e)
27. (a) As sentence is in simple past tense, 'was prepared to' is correct in passive voice to be used in place of 'has prepared to'.
28. (d) Instead of 'appreciate' in the highlighted part, 'will be appreciated' would be used. In Passive voice to be (is, am, are, will, was) + been + V₃ form is always used.
29. (b) Must been curtailed is incorrect. We must say 'must be curtailed' to make the sentence grammatically correct.
30. (e)

NUMERICAL ABILITY

31. (d)
32. (a)
33. (b)
34. (b)
35. (c)
36. (b) Let, the speed of boat in still water = x km/h
Speed of current (Given) = 3 km/h
Speed of boat upstream = $(x - 3)$ km/h
Speed of boat down stream = $(x + 3)$ km/h
Sum of speed of upstream Downstream = 36 km/h
ATQ
 $\Rightarrow (x + 3) + (x - 3) = 36$
 $\Rightarrow x + 3 + x - 3 = 36$
 $\Rightarrow 2x = 36$

$$\Rightarrow x = 18$$

So, speed of boat downstream = $x + 3$
 $\Rightarrow 8 + 3 = 21$ km/h
Total distance covered downstream = 52.5 km

$$\text{Time taken} = \frac{\text{Distance}}{\text{Speed}}$$

$$= \frac{52.5}{21}$$

$$\Rightarrow = 2.5 \text{ h}$$

37. (d) Let, the Principal = ₹ x
Sum of Money becomes = ₹ $1.6x$
Time = 5 years
So, Interest on Money = Sum - Principal
= $1.6x - x$
= $0.6x$
So, Simple Interest

$$= \frac{\text{Principal} \times \text{Rate} \times \text{Time}}{100}$$

$$= 0.6x = \frac{x \times r\% \times 5}{100}$$

$$r\% = 12\%$$

$$\text{Rate of Interest} = 12\%$$

38. (b) $x^2 + (9^2 + 34) \div 5 = 39$
 $\Rightarrow x^2 + (81 + 34) \div 5 = 39$
 $\Rightarrow x^2 + (115) \div 5 = 39$
 $\Rightarrow x^2 + 23 = 39$
 $\Rightarrow x^2 = 39 - 23$
 $\Rightarrow x^2 = 16$
 $\Rightarrow x = 4$

39. (c) $6 \times 16 \times 5 \div 3 - x^2 = 96$
 $\Rightarrow 480 \div 3 - x^2 = 96$
 $\Rightarrow 160 - x^2 = 96$
 $\Rightarrow -x^2 = 96 - 160$
 $\Rightarrow -x^2 = -64$
 $\Rightarrow x^2 = 64$
 $\Rightarrow x = \sqrt{64}$
 $\Rightarrow x = 8$

40. (e) $\sqrt{124 + x + 169} = 18$
 $\Rightarrow \sqrt{293 + x} = 18$
On squaring both sides, we get
 $\Rightarrow (\sqrt{293 + x})^2 = (18)^2$
 $\Rightarrow 293 + x = 324$
 $\Rightarrow x = 324 - 293$
 $\Rightarrow x = 31$

41. (a) $28^2 - x^3 = 7^3 + 225$
 $\Rightarrow 784 - x^3 = 343 + 225$
 $\Rightarrow 784 - x^3 = 568$
 $\Rightarrow -x^3 = 568 - 784$
 $\Rightarrow -x^3 = -216$
 $\Rightarrow x^3 = 216$
 $\Rightarrow x = \sqrt[3]{216}$
 $\Rightarrow x = 6$

42. (d) $298 - 13^2 - 2^3 = x \times 11$
 $\Rightarrow 298 - 169 - 8 = x \times 11$
 $\Rightarrow 121 = x \times 11$
 $\Rightarrow x = \frac{121}{11}$
 $\Rightarrow x = 11$

43. (c) $\sqrt[3]{729} + 3\frac{3}{5} \div x = \sqrt{16 \times 9}$
 $\Rightarrow 9 + \frac{18}{5} \div x = \sqrt{144}$
 $\Rightarrow 9 + \frac{18}{5x} = 12$
 $\Rightarrow \frac{18}{5x} = 12 - 9$
 $\Rightarrow \frac{18}{5x} = 3$
 $\Rightarrow x = \frac{18}{15}$
 $\Rightarrow x = 1.2$

44. (b) $x\% \text{ of } 300 + \sqrt{256}$
 $= 243 \div 3 + 7$
 $\Rightarrow x\% \text{ of } 300 + 16 = 81 + 7$
 $\Rightarrow x\% \text{ of } 300 = 81 + 7 - 16$
 $\Rightarrow x\% \text{ of } 300 = 72$
 $\Rightarrow x = \frac{72 \times 100}{300}$
 $\Rightarrow x = 24$

45. (a) $\Rightarrow x \times 3 \div 8 = \sqrt[3]{512} \times \sqrt{12^2}$
 $\Rightarrow 3x \div 8 = 8 \times 12$
 $\Rightarrow \frac{3x}{8} = 8 \times 12$
 $\Rightarrow 3x = 8 \times 12$
 $\Rightarrow 3x = 8 \times 12 \times 8$
 $\Rightarrow x = \frac{8 \times 12 \times 8}{3}$
 $\Rightarrow x = 256$

46. (c) $136 \div 2^2 \times x = 17\% \text{ of } 500 \div 10$
 $\Rightarrow 136 \div 4 \times x = 85 \div 10$
 $\Rightarrow 34 \times x = \frac{85}{10}$

$\Rightarrow x = \frac{85}{10 \times 34}$
 $\Rightarrow x = 0.25$

47. (e) $1836 \div x \div 9 = 12$
 $\Rightarrow \frac{1836}{x \times 9} = 12$
 $\Rightarrow \frac{204}{x} = 12$
 $\Rightarrow x = \frac{204}{12}$
 $\Rightarrow x = 17$

48. (c) Ratio of Present Age of
A : B = 3 : 2
After four years, Ratio of their
Ages = 10 : 7
According to Question
Let, Ages of A and B
= 3x and 2x years
 $\Rightarrow \frac{3x+4}{2x+4} = \frac{10}{7}$
 $\Rightarrow 21x+28 = 20x+40$
 $\Rightarrow 21x-20x = 40-28$
 $\Rightarrow x = 12$
So, Present Age of B = 2x
 $\Rightarrow 2(12) = 24$ years

49. (b) Difference between
circumference of circle A and
Diameter (Given) = 90 cm.
Let, the radius of circle A
= x cm
According to Question,
 $\Rightarrow 2\pi r - 2r = 90$
 $\Rightarrow 2r(\pi - 1) = 90$
 $\Rightarrow 2x(\pi - 1) = 90$
 $\Rightarrow x(\pi - 1) = 45$
 $\Rightarrow x\left(\frac{22}{7} - 1\right) = 45$
 $\Rightarrow x\left(\frac{15}{7}\right) = 45$
 $\Rightarrow x = 21$ cm
Radius of circle A = 21 cm
Radius of circle B = (x - 7)
 $\Rightarrow (21 - 7) = 14$ cm
Area of circle B = πr^2
 $= \frac{22}{7} \times 14 \times 14$
 $= 616 \text{ cm}^2$

50. (b) Total number of students in
class (Given) = 40

Let the number of Girls = x
Let the number of Boys = x + 4
According to Question
 $\Rightarrow x + x + 4 = 40$
 $\Rightarrow 2x = 36$
 $\Rightarrow x = 18$
So, Number of Girls = 18
Number of Boys = 18 + 4
= 22
Total weight of all Students
= 40 \times 42.5 = 1700 kg
Total weight of Girls = 18 \times 48
= 864 kg
Total weight of Boys
= 1700 - 864 = 836 kg
Average weight of Boys
= $\frac{836}{22}$
= 38 kg

51. (a) I. $8x^2 + 6x + 1 = 0$
II. $3y^2 + 7y + 2 = 0$
 \Rightarrow I. $8x^2 + 6x + 1 = 0$
 $\Rightarrow 8x^2 + 4x + 2x + 1 = 0$
 $\Rightarrow 4x(2x + 1) + 1(2x + 1) = 0$
 $\Rightarrow (4x + 1)(2x + 1) = 0$
 $\Rightarrow x = -\frac{1}{4}, -\frac{1}{2}$
II. $3y^2 + 7y + 2 = 0$
 $\Rightarrow 3y^2 + 6y + y + 2 = 0$
 $\Rightarrow 3y(y + 2) + 1(y + 2) = 0$
 $\Rightarrow (3y + 1)(y + 2) = 0$
 $\Rightarrow y = -\frac{1}{3}, -2$
No relation can be established
between Eqs. I and Eqs. II.

52. (a) I. $x^2 = 196$
 $\Rightarrow x = \sqrt{196}$
 $x = \pm 14$
II. $y^2 - 26y + 169 = 0$
 $y^2 - 13y - 13y + 169 = 0$
 $\Rightarrow y(y - 13) - 13(y - 13) = 0$
 $\Rightarrow (y - 13)(y - 13) = 0$
 $\Rightarrow y = 13$

53. (a) I. $9x^2 - 12x + 4 = 0$
 $\Rightarrow 9x^2 - 6x - 6x + 4 = 0$
 $\Rightarrow 3x(3x - 2) - 2(3x - 2) = 0$
 $\Rightarrow (3x - 2)(3x - 2) = 0$
 $\Rightarrow x = \frac{2}{3}, \frac{2}{3}$

$$\begin{aligned}\text{II. } & 8y^2 - 9y + 1 = 0 \\ \Rightarrow & 8y^2 - 8y - y + 1 = 0 \\ \Rightarrow & 8y(y-1) - 1(y-1) = 0 \\ \Rightarrow & (8y-1)(y-1) = 0 \\ \Rightarrow & y = \frac{1}{8}, 1\end{aligned}$$

$$\begin{aligned}54. (e) \text{ I. } & x^2 - 15x + 56 = 0 \\ \Rightarrow & x^2 - 8x - 7x + 56 = 0 \\ \Rightarrow & x(x-8) - 7(x-8) = 0 \\ \Rightarrow & (x-7)(x-8) = 0 \\ \Rightarrow & x = 7, 8\end{aligned}$$

$$\begin{aligned}\text{II. } & y = \sqrt[3]{512} \\ \Rightarrow & y = 8 \\ \text{Here } & y \geq x\end{aligned}$$

$$\begin{aligned}55. (c) \text{ I. } & 3x^2 + 10x + 8 = 0 \\ \Rightarrow & 3x^2 - 6x + 4x + 8 = 0 \\ \Rightarrow & 3x(x+2) + 4(x+2) = 0 \\ \Rightarrow & (3x+4)(x+2) = 0 \\ \Rightarrow & x = -\frac{4}{3}, -2\end{aligned}$$

$$\begin{aligned}\text{II. } & 2y^2 + 3y + 1 = 0 \\ \Rightarrow & 2y^2 + 2y + y + 1 = 0 \\ \Rightarrow & 2y(y+1) + 1(y+1) = 0 \\ \Rightarrow & (2y+1)(y+1) = 0 \\ \Rightarrow & y = -\frac{1}{2}, -1\end{aligned}$$

$$\begin{aligned}56. (e) \text{ Let salary of Man} &= ₹ 100 \\ \text{Investment in LIC} &= 15\% \\ &= 15 \times \frac{100}{100} = ₹ 15 \\ \text{Amount left} &= 100 - 15 \\ &= ₹ 85 \\ \text{His Mother have} &= ₹ 85 \\ \text{Expenditure on household items} &= 10\% \\ &= 10 \times \frac{85}{100} = ₹ 8.5 \\ \text{Amount left} &= 85 - 8.5 \\ &= ₹ 76.5 \\ \text{Now, ₹ 76.5 is equal to ₹ 30600.}\end{aligned}$$

$$\begin{aligned}₹ 1 \text{ is equal to} &= \frac{30600}{76.5} \times 100 \\ &= 40000 \\ \text{So, the salary of Man} &= ₹ 40000 \\ 57. (a) \text{ Total Question} &= 58 \\ \text{Let the number of right answers} &= x \\ \text{Number of wrong answers} &= 58 - x\end{aligned}$$

$$\begin{aligned}\text{According to Question,} \\ \Rightarrow & x \times 7 - (58 - x)4 = 263 \\ \Rightarrow & 7x - (232 - 4x) = 263 \\ \Rightarrow & 7x - 232 + 4x = 263 \\ \Rightarrow & 11x = 263 + 232 \\ \Rightarrow & 11x = 495 \Rightarrow x = \frac{495}{11} \Rightarrow x = 45\end{aligned}$$

So, Number of correct answer = 45.

58. (c) Let Total population = 100
Literate population = 68%

$$i.e. = 68 \times \frac{100}{100} = 68$$

Ratio of male to female = 11 : 6

$$\text{So number of males} = \frac{11}{17} \times 68 = 44$$

$$\text{Number of females} = \frac{6}{17} \times 68 = 24$$

Illiterate population = 100 - 68 = 32
Ratio of illiterate male to female = 3 : 1

$$\text{So, number of males} = \frac{3}{4} \times 32 = 24$$

$$\text{Number of females} = \frac{1}{4} \times 32 = 8$$

$$\begin{aligned}\text{Required Ratio} &= \frac{\text{Literate Female}}{\text{Illiterate Female}} \\ &= \frac{24}{8} = 3 : 1\end{aligned}$$

59. (d) Ratio of length to Breadth of rectangle = 4 : 3

Let length of rectangle = 4x

Breadth of rectangle = 3x

Area of rectangle = 108 cm² (Given)

Area of rectangle = Length × Breadth

According to Question

$$4x \times 3x = 108 \Rightarrow 12x^2 = 108$$

$$x^2 = 9 \Rightarrow x = 3$$

So, Length of rectangle

$$= 4x = 4(3) = 12 \text{ cm}$$

Breadth of rectangle

$$= 3x = 3(3) = 9 \text{ cm}$$

Given, Breadth of rectangle

= Side of square

So, side of square (a) = 9 cm

Area of square = (Side)²

$$= (9)^2 = 81 \text{ cm}^2$$

60. (e) Let, the efficiency of A = 3x unit/day

Let, the efficiency of B = 2x unit/day

So, efficiency of C = 6x unit/day
Work done by

$$A + B = (3x + 2x) = 5x \text{ unit/day}$$

Time taken to do half work

$$= 2\frac{2}{5} \text{ days}$$

$$\text{So, work done (half)} = \frac{12}{5} \times 5x$$

$$= 12x \text{ unit}$$

$$\text{So, Total work done} = 2 \times 12x$$

$$= 24x \text{ units}$$

Time taken by A + C together

$$= \frac{24x}{(3x + 6x)} = \frac{24x}{9x} = 2\frac{6}{6}$$

$$\Rightarrow 2\frac{2}{3} \text{ days}$$

61. (b) Type B cakes sold on Saturday = 28

Type B cakes sold on Monday = 60

Total number of cakes of Type B sold = 28 + 60 = 88

Type E cakes sold on Saturday = 38

Type E cakes sold on Monday = 29

Total number of cakes Type-E sold = 38 + 29 = 67

$$\text{Required Ratio} = \frac{88}{67} = 88 : 67$$

62. (e) Type C cakes sold on Saturday = 35

Type C cakes sold on Sunday = 48

Type C cakes sold on Tuesday = 55

Total number of cakes sold = 35 + 48 + 55 = 138

$$\text{Required Average} = \frac{138}{3} = 46$$

63. (c) Type D cakes sold on Tuesday = 44

Types E cakes sold on Tuesday = 30

Total cakes sold on Tuesday = 44 + 30 = 74

Type A cakes sold on Sunday = 35

Type B cakes sold on Sunday = 65

Total cakes sold on Sunday = 35 + 64 = 100

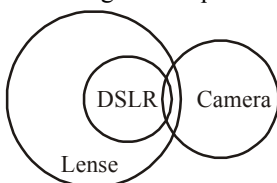
Required percentage

$$= \frac{74}{100} \times 100 = 74\%$$

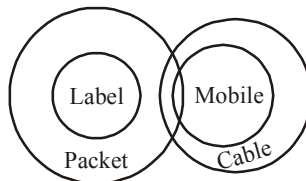
64. (a) Total cakes sold on Monday
 $= 38 + 60 + 40 + 24 + 29 \Rightarrow 191$
 Total cakes sold on Tuesday
 $= 46 + 54 + 55 + 44 + 30 = 229$
 Required Difference $= 229 - 191 = 38$
65. (d) Total cakes of Type F are sold
 $= 25\%$ more than of Type D
 Type D cakes sold in all 4 days
 $= 50 + 42 + 24 + 44 = 160$
 So, Required Percentage
 $= \frac{(100 + 25\%)}{100} \times 160 = \frac{125}{100} \times 160 = 200$

REASONING ABILITY

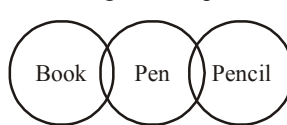
66. (d) 67. (b)
68. (a) F is going to watch movie on Monday. So, if F and G interchange their days of watching movie, the G is watching movie on Monday.
69. (d)
70. (a) Two persons viz E and C are watching movie between B and A.
71. (b) 72. (c) 73. (d)
- Solutions** (Q. Nos. 74-78) According to the given informations,
- Q S U V T R
 ↓ ↓ ↓ ↓ ↓ ↓
 Row-1
- ↑ ↑ ↑ ↑ ↑
 B D F G E C
 Row-2
74. (c) B and C sits at the extreme ends of Row-2.
75. (b) G faces V, and D sits second to the left of G.
76. (d) U is third to the rights of R.
77. (b)
78. (e) If all the persons sitting in Row-2 are arranged as per the English alphabetical order from left to right then, U will face D.
79. (b) According to the question,



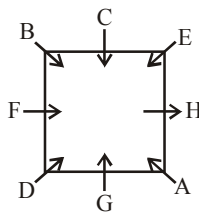
- Conclusions I (X) II (✓)
 So, only conclusion II follows.
80. (d) According to the question,



- Conclusions I. (X) II. (X)
 So, neither conclusion I nor II follows.
81. (d) According to the question,



- Conclusions I. (X) II. (X)
 So, neither conclusion I nor II follows.
- Solutions** (Q. Nos. 82-86) According to the given information.



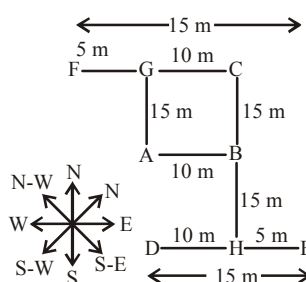
82. (b) Except C. all other faces the centre. Hence, C does not belong to the group.
83. (a) Following the same pattern. DFB will come in place of question mark.
84. (d) G is fourth to the right of C.
85. (a) 86. (d)
87. (d)



Clearly, there are five such pairs.

Solutions (Q. Nos. 88-90)

According to the given information,



88. (c) G is 10 m away from C and towards the West of C.
89. (a) Clearly, D is towards South direction from A.
90. (d) Clearly, F is towards North-West direction with respect to E.
91. (c) Rearranging the words from right to left as per dictionary, we get,
 TAP STB PQR NOT MAT
 Clearly, STB is at second position from left.
92. (c) World which is second from left-NOT
 Third letter-T
 World which is third from right-MAT
 Second letter -A
 There are 18 letters between A and T.
93. (d) New words after applying changes,
 TBO NPS MBS PRQ SUA
 Clearly, there are three words without any vowel.
94. (d) New words after applying changes.
 PAT TON TAMRQP BTS
 Clearly, there are three meaningful words.
95. (d) New words after applying changes.
 SBO MPS LBS OPQ BSA
 Clearly, there are three words with vowels.

Solutions : (Q. Nos. 96-100): According to the given information.

A	Delhi
B	Ahmedabad
C	Chennai
D	Pune
E	Kolkata
F	Lucknow
G	Mumbai

96. (e) 97. (c) 98. (d)
 99. (d) 100. (a)