Directions (1-2): In each question two columns are given, each containing three phrases/sentences. Choose the option that will connect the phrases to form meaningful and correct sentences.

Q1. Column-I
(A) Carbon nanoflorets made by IIT Bombay researchers can
(B) Aga Khan Foundation has given women in the Bihar district a
(C) The Deep Ocean Mission (DOM) is India's ambitious quest to explore
Column-II
(D) convert incident sunlight to heat with 87% efficiency.
(E) will require technologies to access the valuable minerals from the ocean-bed
(F) new source of income with state-of-the-art agricultural technology.
(a) A-D & B-F
(b) C-E
(c) A-E & C-D
(d) B-D
(e) None of the above

Q2. Column-I
(A) Jawaharlal Nehru laid the foundation stone of the National Museum in
(B) The feeling a person develops by practising devotion is unique
(C) Scientists believe that underwater mountains formed
Column-II
(D) through volcanic activity are potentially rich in cobalt.
(E) Sobha Singh who built many of Lutyens' buildings before independence.
(F) a job we most cherish, and bhakti is an excellent activity.
(a) A-D & B-E
(b) B-F
(c) A-E
(d) C-D
(e) None of the above

Directions (3-6): In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that should interchange. If the sentence is correct as it is then, select option "No interchange required" **as your choice.**

Q3. The primitive **mirror (A)** society was built to **virtual (B)** the carefree state of **lived (C)** that people once **nature (D)** in.
(a) A-C & B-D
(b) B-C
(c) A-B & C-D
(d) A-D
(e) No interchange required

Q4. There are some **careers (A)** where you can't **afford (B)** to make even the most **disastrous (C)** mistake without **infinitesimal (D)** consequences.
(a) A-D
(b) C-D
(c) B-D
(d) A-B
(e) No interchange required

Q5. The **spinster (A)** carefully loosened her **thread (B)** from the **spin (C)** and began to **spool (D)** it into a masterpiece.
(a) C-D
(b) A-C
(c) B-D
(d) A-B
(e) No interchange required

Q6. After **having (A)** the stress **seemed (B)** on a president, **witnessing (C)** access to a personal chef **placed (D)** to be the best perk of the job.
(a) B-C
(b) A-B & C-D
(c) A-D
(d) A-C & B-D
(e) No interchange required

Directions (7-7): A word has been given in the question and has been used in the sentences given below. Identify the statements where the word has been used in a contextually and grammatically correct manner. If the word has been used incorrectly in all the statements, mark option "None of these", as your answer.

Q7. State
(I) The witness was asked to **state** the events leading up to the murder-incident to provide a clear account of what happened.
(II) The teacher asked the student to **state** the answer to the math problem on the board
(III) The musician attempted to **state** his guitar to create a melodious tune, but the instrument needed tuning badly.
(a) only (I)
(b) both (I) & (II)
(c) only (III)
(d) both (II) & (III)
(e) None of these

Directions (8-11): In each of the question given below, a statement has been given with a blank. Some words or phrases have been given in the options following the statement. Choose the most appropriate word or phrase that could fit in the statement to make it contextually meaningful and grammatically correct.

Q8. The _____ of the business deal made the investor suspicious, so he asked for a more specific outline of the plan.
(a) plainness
(b) vagueness
(c) obviousness
(d) clarity
(e) transparency

Q9. The English won several fortified battles, but in the end, the Americans were able to win the _____.
(a) amity
(b) truce
(c) cease-fire
(d) pacification
(e) war

Q10. _____ to her superstitions, the mumpsimus irrationally avoided black cats.
(a) clinging
(b) falling
(c) loosening
(d) dropping
(e) flipping

Q11. Because the critics called the play a _____ failure, few people purchased tickets for the stage production.
(a) jocund
(b) mirthful
(c) dismal
(d) blithe
(e) buoyant

Directions (12-16): Each question is divided into four parts where one of the parts may or may not contain an error. Choose the part that has the error as your answer. If all the parts are correct choose "No Error".

Q12. The company's goals are (A)/ to expand its market share, (B)/ increase profitability, and (C)/ enhancing customer satisfaction. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q13. Despite the team's efforts (A)/ to find flaws, they couldn't identify (B)/ no flaws in the project, (C)/ making it a remarkable success. (D)

(a) A

(b) B

(c) C

(d) D

(e) No error

Q14. Sarah is considered one of (A)/ the top researcher in the field (B)/ of neuroscience due to (C)/ her groundbreaking discoveries. (D)

(a) A

(b) B

(c) C

(d) D

(e) No error

Q15. The speaker delivered her (A)/ presentation so confident that the (B)/ entire audience was captivated by her words, (C)/ nodding in agreement and appreciation. (D)

(a) A

(b) B

(c) C

(d) D

(e) No error

Q16. The company is proud of their (A)/ employees, and it (B)/ appreciates the support (C)/ from its dedicated staff. (D)

(a) A

(b) B

(c) C

(d) D

(e) No error

Directions (17-21): Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(A) Moreover, in today's world, the influence of social media extends far beyond personal connections, shaping public opinion and driving societal change.

(B) These platforms enable users to share their thoughts, photos, and experiences with a global audience.

(C) However, the impact of social media on mental health and privacy concerns are growing issues.

(D) Platforms like Facebook, Twitter, and Instagram have become integral parts of our daily lives.

(E) It's essential for users to be mindful of their online presence and digital footprint.

(F) Social media has revolutionized the way we connect and communicate in the digital age.

Q17. Which of the following should be the THIRD sentence after rearrangement?
(a) D
(b) A
(c) B
(d) E
(e) C

Q18. Which of the following should be the FIRST sentence after rearrangement?
(a) A
(b) F
(c) E
(d) B
(e) C

Q19. Which of the following should be the FIFTH sentence after rearrangement?
(a) C
(b) E
(c) D
(d) A
(e) F

Q20. Which of the following should be the SECOND sentence after rearrangement?
(a) B
(b) E
(c) D
(d) C
(e) A

Q21. Which of the following should be the LAST sentence after rearrangement?
(a) C
(b) B
(c) E
(d) D
(e) F

Directions (22-30): Read the following passage and answer the questions.
Gender-based pricing, also known as "pink tax," is an upcharge on products traditionally intended for women which have only cosmetic differences from comparable products traditionally intended for men.
In other words, it's not actually a tax. It's an "income-generating scenario for private companies who found a way to make their product look either more directed to or more appropriate for the population and saw that as a moneymaker," explains Jennifer Weiss-Wolf, a lawyer, vice president for the Brennan School of Justice at NYU School of Law, and co-founder of Period Equity

Yet pink tax is not a new phenomenon. The issue was **delineated** more finely in 2015 when the New York City Department of Consumer Affairs released a report about price **disparities** for 794 comparable products from 91 brands sold throughout the city. The report examined five different industries, such as personal care products or senior/home healthcare products. These **encompassed** 35 product categories, such as bodywash or shampoo. In every single of those five industries, consumer goods marketed to women and girls cost more. The same was the case in all but five of the 35 product categories. Researchers looked at 106 products in the toys and accessories category and found that, on average, those intended for girls were priced 7 percent higher.

NYC's report found women faced an average price difference of 13 percent for personal care products among the 122 products compared in the study. And the authors aptly noted that these items, such as shaving gel and deodorant, are the ones purchased most frequently compared with other categories — meaning that the _____ add up over time. While this is unfair for all those shopping for these products, that 13 percent price increase hits women and girls who come from lower income households even harder. Legislative attempts, however, could correct the pink tax. In 1995, then-Assemblywoman Jackie Speier successfully passed a bill that forbade gender pricing of services, such as haircuts.

Q22. What is the motive behind the imposition of the "pink tax"?
(a) To offer more products and services to meet the needs of the female demographic in society.
(b) The "Pink Tax" is primarily collected to support the advancement of women.
(c) To eliminate the tax disparity in comparable cosmetic products.
(d) Jennifer Weiss-Wolf introduced the "pink tax" to promote gender-based tax equality within companies.
(e) Companies believe that they can capitalize from perceived gender-based branding differences.

Q23. What does the author mean by "In other words, it's not actually a tax"?
(a) "Pink tax" is not the actual tax as it is only levied on woman.
(b) An actual tax is levied on the society only after collecting the "pink tax."
(c) Gender based pricing or pink tax is merely an extension to the actual tax imposed by the government
(d) Gender-based pricing is only a pricing strategy by private companies.
(e) Can not be determined

Q24. What is/are the findings of the New York City Department of Consumer Affairs report from 2015?
(I) In the toys and accessories category, products intended for girls were, on average, priced 7 percent higher.
(II) An average price variation of 13 percent was observed for personal care products targeted at women.
(III) The report discussed the legislative attempts to address the "pink tax," such as the bill passed by Assemblywoman Jackie Speier in 1995.
(a) Only (I)
(b) Both (I) and (II)
(c) Only (III)
(d) Both (I) and (III)
(e) All (I), (II) and (III)

Q25. What is the consequence of gender-based pricing on consumers, particularly women?
(a) Businesses can generate increased profits, leading to the advancement and progress of society.
(b) Continuing an unjust pricing approach might foster a sense of superiority among men.
(c) Price differences can worsen economic inequality, especially for women in lower-income households.
(d) Due to the lower prices of men's products, it may be assumed that the quality is also inferior.
(e) A conflict might arise between the women of higher-income households and lower-income-households.

Q26. According to the passage, which of the following statement is FALSE?
(a) The New York City report encompassed five different industries and analyzed 35 product categories.
(b) Jackie Speier successfully passed a bill that prohibited gender-based pricing for services.
(c) The impact of the "pink tax" is confined to a select range of product categories of the study.
(d) The "pink tax" is a pricing strategy employed by private companies within a capitalist framework.
(e) All are true

Q27. Which of the following word aptly fills the blank given in the passage?
(a) costs
(b) profits
(c) equity
(d) categories
(e) risks

Q28. Choose the word that has similar meaning of the word "encompassed" as highlighted in the given passage.
(a) adored
(b) witnessed
(c) removed
(d) included
(e) foresee

Q29. Choose the word that has similar meaning of the word "disparities" as highlighted in the given passage.
(a) variance
(b) authentic
(c) delusion
(d) dilemma
(e) ambiguity

Q30. Choose the word that has the opposite meaning of the word "delineated" as highlighted in the given passage.
(a) emphasized
(b) rejected
(c) concealed
(d) discussed
(e) diverted

Directions (31-36): The line graph given below shows total number of people (male + female) visited four different parks (A, B, C and D) and table shows fraction of male out of total people visited these four parks. Read the data carefully and answer the questions below.

—■—total number of people (male + female) visited
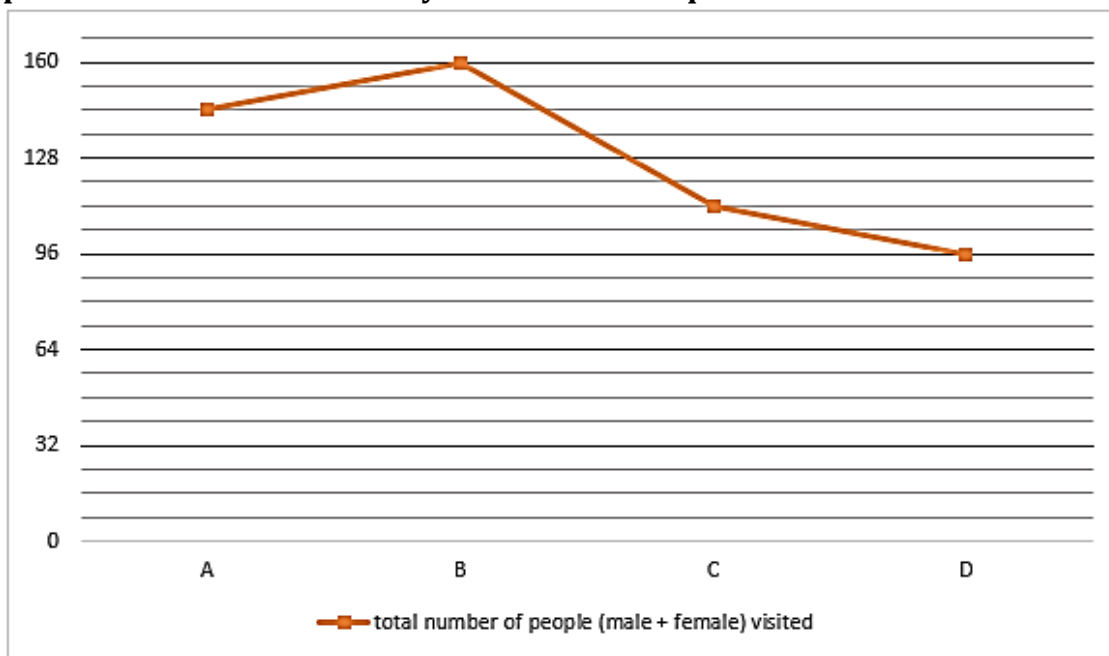
Parks	Fraction of male out of total people
A	$\frac{2}{3}$
B	$\frac{5}{8}$
C	$\frac{4}{7}$
D	$\frac{3}{4}$

Q31. If total number of females visited park E are 75% of total number of males visited park A & C together and total number of males visited park E are 25% more than total females visited park C, then find total people visited park E.
(a) 200
(b) 140
(c) 160
(d) 120
(e) 180

Q32. The ratio local and outside people visited park B is 7 : 1 respectively, while the ratio of total local and outside females visited park B is 5 : 1 respectively. Find the ratio of outside to local males visited park B.
(a) 1 : 5
(b) 3 : 7
(c) 1 : 7
(d) 1 : 9
(e) 1 : 8

Q33. Find the difference between average number of females visited park A, C & D and total number of males visited park B.
(a) 30
(b) 40
(c) 60
(d) 70
(e) 80

Q34. If there is discount of 20% on each ticket for females as compare to male and total revenue received by park D from all the people is Rs 2280, then find the price of each ticket for female.
(a) 20 Rs
(b) 25 Rs
(c) 24 Rs
(d) 12 Rs
(e) 30 Rs

Q35. If average number of females visited park A, B & F are 60, then find total number of females visited park F are what percent of total number of males visited park A.
(a) 55%
(b) 100%
(c) 80%
(d) 60%
(e) 75%

Q36. Total number of females visited park A and D together is what percent more than total number of females visited park B.
(a) 15%
(b) 10%
(c) 20%
(d) 5%
(e) 25%

Directions (37-41): The table given below shows the average number of articles (A, B and C) sold by Pesto company in three different months. It also shows the percentage of article A sold by Pesto company out of the total number of articles sold in these months. Table also reflects the total number of article C sold in these months. Read the table carefully and answer the following questions.

Months	Average number of articles sold	Percentage of article A sold	Total number of articles C sold
April	100	40%	100
May	120	30%	70
June	72	25%	80

Q37. In month of July, total number of articles A sold by Pesto are 25% more than the average number of articles B sold in the month of May and June. If the sum of the article B and C sold by Pesto in July are 30% more than the articles B sold by Pesto in April, then find the difference in the number of articles B sold in July to that of in April.
(a) 48
(b) 54
(c) 62
(d) 66
(e) Can't be determined

Q38. Number of articles C sold in April and June together are what percentage (approx.) of the number of articles A sold in May.
(a) 167%
(b) 178%
(c) 155%
(d) 145%
(e) 120%

Q39. Find the ratio of the sum of the number of articles A and B together sold in May to the difference between the articles B and C sold in April.
(a) 27:2
(b) 25:1
(c) 29:2
(d) 23:4
(e) 22:5

Q40. If the price of each article at which articles A, B and C sold in the month of April are Rs. 10, Rs y and Rs. (y + 20) respectively, then the total revenue generated by selling these articles in the month of April is Rs. 4100. Find the value of 3y.
(a) 5
(b) 15
(c) 18
(d) 21
(e) None of these

Q41. Ratio of males to females who purchased total articles (A, B and C) in June is 3: 1 and the ratio of male to females who purchased articles A in June is 1: 2. If only 10 females purchased articles C in June, then find the number of males purchased articles B. (Note: All the articles are purchased from Pesto)
(a) 50
(b) 54
(c) 62
(d) 74
(e) 72

Directions (42-46): In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answers.

Q42.
I. $x^2 - 32x + 112 = 0$
II. $y^2 - 7y + 12 = 0$
(a) $x \geq y$
(b) $x \leq y$
(c) $x > y$
(d) $x < y$
(e) $x = y$ or no relation.

Q43.
I. $x^2 + 12x + 35 = 0$
II. $y^2 + 7y + 10 = 0$
(a) $x \geq y$
(b) $x \leq y$
(c) $x > y$
(d) $x < y$
(e) $x = y$ or no relation.

Q44.
I. $x^2 - 7x - 60 = 0$
II. $y^2 + 13y + 40 = 0$
(a) $x \geq y$
(b) $x \leq y$
(c) $x > y$
(d) $x < y$
(e) $x = y$ or no relation.

Q45.
I. $x^2 + x - 12 = 0$
II. $y^2 + 2y - 15 = 0$
(a) $x \geq y$
(b) $x \leq y$
(c) $x > y$
(d) $x < y$
(e) $x = y$ or no relation.

Q46.
I. $x^2 + 31x + 84 = 0$
II. $4y^2 - 19y + 21 = 0$
(a) $x > y$
(b) $x \le y$
(c) $x < y$
(d) $x \ge y$
(e) $x = y \text{ or no relation.}$

Directions (47-52): Find out the missing term of the number series given below.

Q47. 25, ?, 256, 476, 745, 1050
(a) 100
(b) 120
(c) 105
(d) 110
(e) 130

Q48. 300, ?, 148, 221, 441, 1101.5
(a) 145
(b) 130
(c) 120
(d) 149
(e) 125

Q49. 15, 34, 57, 86, ?, 154
(a) 123
(b) 121
(c) 117
(d) 115
(e) 113

Q50. 68, ?, 407, 470, 496, 503
(a) 283
(b) 289
(c) 276
(d) 267
(e) 298

Q51. 54, 67, 50, 63, 46, ?
(a) 63
(b) 29
(c) 33
(d) 51
(e) 59

Q52. 60, ?, 63.6, 70.8, 99.6, 243.6
(a) 67.4
(b) 61.2
(c) 59.6
(d) 57.8
(e) 63.2

Q53. A, B and C together can complete a work in $16\frac{4}{11}$ days, while A and B together can complete the same work in 20 days. Find in how many days C alone can do 60% of the same work.
(a) 63 days
(b) 108 days
(c) 45 days
(d) 48 days
(e) 54 days

Q54. The length and breadth of a rectangle is 3 : 2 respectively. When length of the rectangle increased by 25% and the breadth remain same, then the area of the rectangle is increased by 24 m^2. Find original length (in meters) of the rectangle.
(a) 15
(b) 6
(c) 24
(d) 8
(e) 12

Q55. The average cost price of two articles P and Q is Rs 1350. Article P sold at 10% profit and article Q sold at 20% profit. The total selling price of article P and Q is Rs 3120. If article Q is sold at 40% profit, then find the selling price.
(a) 2000 Rs
(b) 2400 Rs
(c) 1900 Rs
(d) 2100 Rs
(e) 1680 Rs

Q56. P and Q started a business by investing Rs 15000 & Rs (15000 + x) respectively. After four months, Q withdrew 40% of his initial investment. After a year, the total profit was Rs 47000 and the profit share of Q was Rs 22000. Find the value of '2x'.
(a) 1500
(b) 2400
(c) 3000
(d) 4500
(e) 6000

Q57. A man invested Rs X and Rs x + 400 in two different schemes A & B respectively. The rate of interest offered by schemes A & B is 10% p.a. and 12% p.a. respectively. If the sum of interest received by man from scheme A after four years and from scheme B after two year is Rs 640, then find X.
(a) 850
(b) 1250
(c) 750
(d) 1150
(e) 1050

Q58. Vessel A contains 150 liters mixture of milk and water in which water is 40%. 'x' liters mixture is taken out (quantity of water in 'x' liters is 12 liters) and poured into vessel B which already contain 'x' liters water. Find the difference between quantity (in liters) of milk and water in resultant mixture of vessel B.
(a) 12
(b) 30
(c) 16
(d) 24
(e) 18

Q59. The total time taken by a boat to cover 400 km downstream and 320 upstream is 40 hours. If downstream speed of the boat is 4 km/hr more than upstream speed of the boat, then find the time taken (in hours) by the boat to cover 720 km downstream.
(a) 36
(b) 48
(c) 24
(d) 44
(e) 32

Q60. The average of 11 numbers is 71 and average of first five numbers is 67. If average of last four numbers is 91.5 and the ratio of sixth and seventh number is 9 : 7, then find the sixth number.
(a) 54
(b) 36
(c) 27
(d) 45
(e) 35

Directions (61-64): The information given about number of project handle by two companies (A and B) in three different years (2015, 2016 and 2017). Read the information carefully and answer the questions given below.
In 2015, Total projects handle by A are 1.5 times of B.
In 2016, Total project handle by B is 9 more than that of in 2015 and A handle 20 projects.
In 2017, total project handle by A is 25% more than that of by B in 2015 and B handle 30 projects.
Total projects handle by A in all three years is 42.

Q61. Find the projects handle by B in 2017 is how much more or less than the projects handle by A in 2016.
(a) 5
(b) 10
(c) 20
(d) 15
(e) 25

Q62. The projects handle by C in 2015 is 50% more than the project handle by A in 2017. Find the ratio between projects handle by B in 2015 to projects handle by C in 2015.
(a) 9:11
(b) 8:15
(c) 5:9
(d) 4:13
(e) 7:17

Q63. Projects handles by A in 2016 is how much percentage more or less than the projects handle by B in 2015?
(a) 75%
(b) 50%
(c) 200%
(d) 150%
(e) 25%

Q64. Find the total projects handle by B in all three years.
(a) 5
(b) 15
(c) 25
(d) 55
(e) 35

Q65. The ratio of present ages of A to B is 3:4, X years ago the ratio was 5: 7 and sum of ages of A and B after X years is 48. Find the present age of B.
(a) 16 years
(b) 24 years
(c) 32 years
(d) None of these.
(e) Can't be determined.

Directions (66-70): Read the given information carefully and answer the questions based on it:
Six persons visit a place on two dates 11 and 22 in three different months i.e., September, October and November. They all like different colors viz. white, blue, pink, green, red and yellow but not necessarily in the same order as given.

The one who likes yellow visits three persons after L. L and S visit on same date and in the month of even numbered days. Two persons visit between S and R who likes green. Number of persons visit before R is same as the number of persons visit after V. The one who likes white visit just before H. No one visit between K and the one who likes blue. The one who likes red visits before the one who likes pink.

Q66. How many persons visit between K and H?
(a) None
(b) One
(c) Two
(d) Three
(e) Four

Q67. Which of the following color does S like?
(a) Red
(b) Blue
(c) Pink
(d) White
(e) Yellow

Q68. Who among the following visit on 22 October?
(a) V
(b) H
(c) K
(d) S
(e) L

Q69. The one who likes blue, visit on which of the following date?
(a) 22 October
(b) 11 November
(c) 11 October
(d) 22 November
(e) 22 September

Q70. Which of the following statement(s) is/are true?
I. The one who likes green is the last one to visit
II. H likes pink
III. More than two persons visit before V
(a) Only II
(b) Only I and III
(c) Only I and II
(d) Only III
(e) All I, II, III are true

Directions (71-73): Read the given information carefully and answer the questions based on it:
In a family of eight members, P is mother of V who is the spouse of N. M is the sister of N's father-in-law. L is mother of M. F is only son of L and R. C is sister in-law of N and vice versa.

Q71. What is the relation of V with respect to L?
(a) Grandson
(b) Granddaughter
(c) Son-in-law
(d) Niece
(e) None of the above

Q72. Four of the following five are similar in a certain pattern and related to a group, who among the following is dissimilar to others?
(a) L
(b) V
(c) M
(d) C
(e) N

Q73. Who among the following is child of F?
(a) M
(b) N
(c) None of these
(d) P
(e) C

Directions (74-78): Read the given information carefully and answer the questions based on it:
Eight persons sit in a row. Four persons face north and rest face south. Three persons sit between A and B and one of them sits at the end of the row. C sits second to the right of B who faces north. D and B face same direction but they do not sit adjacent to each other. E sits third to the left of D and faces opposite direction to D. G sits third to the right of C. Both the immediate neighbors of G face same direction. H sits to the right of F.

Q74. What is the position of F with respect to E?
(a) Second to the right
(b) Second to the left
(c) Fourth to the left
(d) Third to the right
(e) Immediate left

Q75. Who among the following sits just right of B?
(a) H
(b) E
(c) D
(d) F
(e) G

Q76. How many persons sit to the left of G?
(a) One
(b) None
(c) Three
(d) Five
(e) Two

Q77. Which of the following pair is dissimilar to other four pairs?
(a) C-E
(b) A-G
(c) D-F
(d) B-H
(e) G-C

Q78. If all the persons rearrange their seating positions and now, they sit in alphabetical order from left end of the row (Direction of all persons remain the same), then how many persons will remain on their positions?
(a) None
(b) One
(c) Two
(d) Three
(e) More than three

Q79. If we form a four-letter meaningful word by using 2nd, 5th, 7th and 8th letter (each letter is used only once) of the word 'SHOWERING', then what will be the second letter of that meaningful word? If no such meaningful word is formed, the answer will be X and if more than one such meaningful word will be formed, the answer will be Y.
(a) Y
(b) X
(c) N
(d) H
(e) E

Directions (80-82): In each question below, some statements are given 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 with commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows from the given statements, disregarding commonly known facts. Give answer-

Q80. Statements:
All Rose are Pink.
Only a few Black is Pink.
No White is Rose.
Conclusions:
I. Some Rose is Black.
II. Some Pink can never be White.

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

Q81. Statements:
Only a few Tube is Well.
All Well is Pipe.
Some Well is not Tank.
Conclusions:
I. All Tube being Tank is a possibility.
II. All Pipe being Tank is a possibility.
(a) If only conclusion I follows
(b) If only conclusion II follows
(c) If either conclusion I or II follows
(d) If neither conclusion I nor II follows
(e) If both conclusions I and II follow

Q82. Statements:
Only Hat is House.
Only a few Top is Hat.
Some Wall is Top.
Conclusions:
I. All Top can never be Hat.
II. Some House are not Wall.
(a) If only conclusion I follows
(b) If only conclusion II follows
(c) If either conclusion I or II follows
(d) If neither conclusion I nor II follows
(e) If both conclusions I and II follow

Directions (83-87): Study the following information carefully and answer the questions given below-
Six persons A, B, C, D, E and F sit around a circular table facing the centre but not necessarily in the same order. They like different flowers viz. Rose, Daisy, Lily, Jasmine, Marigold and Dahila but not necessarily in the same order.
F sits 2nd to the left of the one who likes Rose. B and the one who likes Rose are immediate neighbours. A faces the one who likes Jasmine and sits near F. C sits 2nd to the left of the one who likes Lily. The one who likes Dahila sits just right of the one who likes Daisy. C and D are not an immediate neighbour.

Q83. Who sits immediate right of the person who likes Marigold?
(a) F
(b) B
(c) C
(d) D
(e) E

Q84. Which flower does F like?
(a) Jasmine
(b) Dahila
(c) Lily
(d) Marigold
(e) None of these

Q85. Which of the following is true?
I. D and F are not an immediate neighbour
II. A likes Lily
III. D does not like Rose
(a) Both I and III
(b) Only II
(c) Both I and II
(d) Only III
(e) Only I

Q86. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?
(a) D- Rose
(b) F- Daisy
(c) A- Lily
(d) E- Jasmine
(e) B- Marigold

Q87. Who is sitting just right of the person who likes Dahila?
(a) A
(b) B
(c) C
(d) D
(e) F

Q88. In the word 'BONAFIDE', how many pairs of letters have the same number of letters between them (both forward and backward direction) as in the alphabetical series?
(a) Four
(b) Two
(c) One
(d) Three
(e) More than Four

Directions (89-91): Study the following information carefully and answer the questions given below-
Six persons are arranged in descending order according to their weight from left to right. Only T is lighter than Q whose weight is 17kg. S is twice heavier than Q and 14 kg lighter than N. Two persons between M and S. R is not the second heaviest among all.

Q89. Who is the heaviest among all?
(a) N
(b) Either N or R
(c) R
(d) M
(e) Either M or N

Q90. What may be the possible weight of R?
(a) 18kg
(b) 39kg
(c) 30kg
(d) 22kg
(e) 53kg

Q91. How many persons are lighter than S?
(a) Two
(b) One
(c) Four
(d) Three
(e) None

Directions (92-96): Study the following information carefully and answer the questions given below-
Ten persons P to Y live in 10 storey building but not necessarily in the same order. The bottommost floor is numbered as 1 and so on till the topmost floor is numbered as 10.
V lives on prime numbered floor but below 4th floor. S lives below V but not on the ground floor. There are as many persons live above S as below P. More than three persons live between P and Y who lives above X. One person lives between T and Y. W lives just below R. U does not live below Q.

Q92. On which floor does T live?
(a) 2nd floor
(b) 3rd floor
(c) 4th floor
(d) 5th floor
(e) 6th floor

Q93. Who lives on the topmost floor?
(a) V
(b) T
(c) U
(d) W
(e) Y

Q94. How many persons live between W and S?
(a) Four
(b) Two
(c) Three
(d) Six
(e) Five

Q95. The numbers of persons live between R and Y is half than the numbers of persons live below _____.
(a) Q
(b) U
(c) W
(d) X
(e) None of these

Q96. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?
(a) V
(b) T
(c) S
(d) W
(e) Q

Directions (97-100): Read the given information carefully and answer the questions based on it:
In a certain code language,
'Several single port around' is coded as 'po xl yu vb'
'Single event cost edition' is coded as 'rf zx vb wa'
'Cost around public order' is coded as 'km po rf tf'
'Public host winter edition' is coded as 'vc ur km zx'

Q97. What will the code for 'Single winter order'?
(a) vb ur tf
(b) xl vc tf
(c) vb vc km
(d) po tf km
(e) yu vc ur

Q98. What will be the code for 'Event around'?
(a) wa rf
(b) vb po
(c) wa po
(d) po zx
(e) Can't be determined

Q99. If 'several books' is coded as 'xl sa', then what will be the code for 'port maintenance cost'?
(a) yu wa rf
(b) xl rf vb
(c) yu nh rf
(d) nh yu vb
(e) nh kt yu

Q100. 'zx' is the code for ___.
(a) Single
(b) Edition
(c) Host
(d) Winter
(e) None of the above

Solutions

S1. Ans.(a)
Sol. The correct combinations are: "A-D & B-F".
This option connects Column I phrase (A) with Column II phrase (D) and Column I phrase (B) with Column II phrase (F). The resulting sentences are correct and meaningful.
A-D: Column I, phrase (A) is "Carbon nanoflorets made by IIT Bombay researchers can," and in Column II, phrase (D) is "convert incident sunlight to heat with 87% efficiency." When connected, they form the meaningful and complete sentence: **"Carbon nanoflorets made by IIT Bombay researchers can convert incident sunlight to heat with 87% efficiency."**
B-F: Column I, phrase (B) is "Aga Khan Foundation has given women in the Bihar district a," and in Column II, phrase (F) is "new source of income with state-of-the-art agricultural technology." When connected, they form the meaningful and complete sentence: **"Aga Khan Foundation has given women in the Bihar district a new source of income with state-of-the-art agricultural technology."**

S2. Ans.(d)
Sol. The correct combination is "C-D".
This option connects Column I phrase (C) with Column II phrase (D). The resulting sentence is correct and meaningful.
C-D: Column I, phrase (C) is "Scientists believe that underwater mountains formed," and in Column II, phrase (D) is "through volcanic activity are potentially rich in cobalt." When connected, they form the meaningful and complete sentence: **"Scientists believe that underwater mountains formed through volcanic activity are potentially rich in cobalt."**

S3. Ans.(c)
Sol. Among the highlighted words, all of them are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is A-B & C-D. The word "**mirror**" should be replaced with "**virtual**" and "**lived**" should be replaced with "**nature**" as the given sentence is saying that the primitive virtual society was built to mirror the carefree state of nature that people once lived in.
So, the correct sentence after rearrangement of words would be, "The primitive **virtual** society was built to **mirror** the carefree state of **nature** that people once **lived** in."

S4. Ans.(b)
Sol. Among the highlighted words, "disastrous" and "infinitesimal" are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is C-D. The word "**disastrous**" should be replaced with "**infinitesimal**" as the given statement is saying that there are some careers where you can't afford to make even the most infinitesimal mistake without disastrous consequences.

So, the correct sentence after rearrangement of words would be, "There are some **careers** where you can't **afford** to make even the most **infinitesimal** mistake without **disastrous** consequences."

S5. Ans.(a)
Sol. Among the highlighted words, "spin" and "spool" are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is C-D. The word "**spin**" should be replaced with "**spool**" as the given statement is saying that the spinster carefully loosened her thread from the spool and began to spin it into a masterpiece.

So, the correct sentence after rearrangement of words would be, "The **spinster** carefully loosened her **thread** from the **spool** and began to **spin** it into a masterpiece."

S6. Ans.(d)
Sol. Among the highlighted words, all of them are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is A-C & B-D. The word "**having**" should be replaced with "**witnessing**" and "**seemed**" should be replaced with "**placed**" as the given sentence is saying that after witnessing the stress placed on a president, having access to a personal chef seemed to be the best perk of the job.

So, the correct sentence after rearrangement of words would be, "After **witnessing** the stress **placed** on a president, **having** access to a personal chef **seemed** to be the best perk of the job."

S7. Ans.(a)
Sol. The word "**state**" is used correctly in sentence (I):
"The witness was asked to state the events leading up to the murder-incident to provide a clear account of what happened."
In this context, "state" means to express or report something in a clear and detailed manner, especially when providing an account of events.
Sentences (II) and (III) use the word "state" incorrectly.
Sentence II: "**The teacher asked the student to state the answer to the math problem on the board**."
Here, "state" is not the appropriate word to use when asking a student to provide an answer to a math problem. The correct word in that context would be "give" or "write."
The correct sentence should be, "The teacher asked the student to write the answer to the math problem on the board."
Sentence III: "**The musician attempted to state his guitar to create a melodious tune, but the instrument needed tuning badly**."
Here, "state" is not the appropriate word to use when referring to tuning a musical instrument. The correct word in this context would be "tune."
The correct sentence should be, " The musician attempted to **tune** his guitar to create a melodious tune, but the instrument needed tuning badly."

S8. Ans.(b)
Sol. The most appropriate word that fits in the blank to make the sentence contextually meaningful and grammatically correct is **"vagueness".** The word "vagueness" means the quality of being unclear, imprecise, or lacking in detail. This word fits well in the context because it accurately describes a quality that would make the investor suspicious. The lack of clarity or specific details in the business deal raised doubts in the investor's mind.
The other words do not fit the context of the sentence.
Option (a) plainness is an incorrect option as it means the quality of being clear, simple, or easily understood, which does not fit the context of the sentence.
Option (c) obviousness is an incorrect option as it means the quality of being clear, evident, or easily perceived, which does not fit the context of the sentence.
Option (d) clarity is an incorrect option as it means the quality of being clear, transparent, or easily understood, which does not fit the context of the sentence.
Option (e) transparency is an incorrect option as it means the quality of being open, honest, and free from hidden motives or agendas, which does not fit the context of the sentence.

S9. Ans.(e)
Sol. The most appropriate word that fits in the blank to make the sentence contextually meaningful and grammatically correct is **"war".** The word "war" means a state of armed conflict between nations or groups. This word fits well in the context because it accurately describes the final outcome of the conflict between the English and the Americans. The Americans were able to win the war, indicating their ultimate victory. The context of the sentence revolves around a series of fortified battles won by the English, but in the end, the Americans were able to win the war, indicating their final triumph over the English.
The other words do not fit the context of the sentence.
Option (a) amity is an incorrect option as it means friendly relations between nations, which does not fit the context of the sentence.
Option (b) truce is an incorrect option as it means a temporary suspension of hostilities, which does not fit the context of the sentence.
Option (c) cease-fire is an incorrect option as it means a halt in fighting or military action, which does not fit the context of the sentence.
Option (d) pacification is an incorrect option as it means the act of establishing peace or quelling a conflict, which does not fit the context of the sentence.

S10. Ans.(a)
Sol. The most appropriate word that fits in the blank to make the sentence contextually meaningful and grammatically correct is **"clinging".** The word "clinging" means holding tightly or persistently. This word fits well in the context because it suggests that the mumpsimus strongly holds onto her superstitions and continues to avoid black cats. The context of the sentence revolves around the behavior of a mumpsimus who, due to her superstitions, continues to avoid black cats.
The other words do not fit the context of the sentence.
Option (b) falling is an incorrect option as it means descending or dropping, which does not fit the context of the sentence.

Option (c) loosening is an incorrect option as it means becoming less tight or strict, which does not fit the context of the sentence.

Option (d) dropping is an incorrect option as it means letting go or releasing, which does not fit the context of the sentence.

Option (e) flipping is an incorrect option as it means turning or changing abruptly, which does not fit the context of the sentence.

S11. Ans.(c)

Sol. The most appropriate word that fits in the blank to make the sentence contextually meaningful and grammatically correct is **"dismal".** The word "dismal" means gloomy, depressing, or disastrous. This word fits well in the context because it accurately describes the nature of the failure attributed to the play. "Dismal" implies a sense of gloominess or lack of success, which would discourage people from purchasing tickets. The context of the sentence revolves around the play, which the critics labeled as a dismal failure. This negative evaluation by the critics led to a lack of interest from the public, resulting in few ticket purchases.

The other words do not fit the context of the sentence.

Option (a) jocund is an incorrect option as it means cheerful, merry, or joyful, which does not fit the context of the sentence.

Option (b) mirthful is an incorrect option as it means full of mirth or laughter, which does not fit the context of the sentence.

Option (d) blithe is an incorrect option as it means carefree, cheerful, or unconcerned, which does not fit the context of the sentence.

Option (e) buoyant is an incorrect option as it means cheerful, optimistic, or lively, which does not fit the context of the sentence.

S12. Ans.(d)

Sol. The error lies in **part (D)** of the sentence. In part (D), "enhancing" should be changed to "enhance" to maintain parallelism with the infinitive verbs "expand" and "increase".

The error in the sentence is related to parallelism. Parallelism means using a consistent grammatical structure for items in a list, making them all the same part of speech. In this case, the list includes three goals for the company: "to expand its market share," "increase profitability," and "enhance customer satisfaction."

The error occurs in the verb form "enhancing". To maintain parallel structure, all three items in the list should use infinitive verb forms (to + base form of the verb).

Thus, the correct sentence formed will be: "The company's goals are to expand its market share, increase profitability, and **enhance** customer satisfaction."

S13. Ans.(c)

Sol. The error lies in the part (C). In part (C), the phrase "couldn't identify no flaws" contains a double negative, which can lead to confusion and should be corrected to maintain clarity in the sentence.

The error in the original sentence is the use of a double negative, which results in an unintended positive or affirmative meaning and it creates confusion because it implies that the team was successful in identifying flaws, which contradicts the intended meaning.

Double negatives can lead to misinterpretation, so it's important to use single negatives when appropriate for clear communication.

Thus, the correct sentence formed will be: "Despite the team's efforts to find flaws, they couldn't identify **any flaws** in the project, making it a remarkable success."

The correction, "couldn't identify any flaws," conveys the intended meaning that the team was unable to find any flaws in the project, which aligns with the context of the sentence.

S14. Ans.(b)

Sol. The error lies in the part (B). The error in part (B) is in subject-verb agreement; "researchers" is the correct plural form to match "one of."

The error in the original sentence is a subject-verb agreement issue. The phrase "one of the" is followed by a plural noun, which should be matched with a plural verb. In this case, "researcher" is singular, but the correct form should be "researchers," which is plural.

To maintain subject-verb agreement, it should be "one of the top researchers" to correctly indicate that Sarah is part of a group of top researchers in the field of neuroscience.

Thus, the correct sentence formed will be: "Sarah is considered one of the top **researchers** in the field of neuroscience due to her groundbreaking discoveries."

S15. Ans.(b)

Sol. The error lies in the part (B). The word "confident" in part (B) should be corrected to "confidently" to function as an adverb modifying the verb "delivered."

The error in the original sentence is incorrect part of speech. The word "confident" is an adjective, but in this context, it's meant to describe how the speaker delivered the presentation, which requires an adverb.

To modify the verb "delivered" and provide information about the manner in which the action was performed, the adverb "confidently" should be used.

Adjectives describe nouns or pronouns, while adverbs modify verbs, adjectives, or other adverbs. In this case, "confidently" is needed to describe the manner in which the presentation was delivered.

Thus, the correct sentence formed will be: "The speaker delivered her presentation so **confidently** that the entire audience was captivated by her words, nodding in agreement and appreciation."

S16. Ans.(a)

Sol. The error lies in the part (A). The part (A) of the sentence has an error in pronoun-antecedent agreement.

The error in the original sentence is related to pronoun-antecedent agreement. Pronouns should agree in number with the nouns they replace. In the original sentence, "company" is a singular noun, and when referring to a singular entity, the pronouns "its" and "it" should be used.

Using plural pronouns like "their" and "they" with a singular noun creates a lack of agreement, and it can lead to confusion in the sentence. To correct the error, we need to ensure that the pronouns match the singular noun "company" in number, resulting in the use of "its" and "it."

Thus, the correct sentence formed will be "The company is proud of **its** employees, and it appreciates the support from its dedicated staff."

S17. Ans.(c)
Sol. Going through the given sentences, it can be clearly seen that **sentence (F)** serves as an introductory statement, setting the tone for the discussion about social media's impact. Next in the arrangement would be **sentence (D)** which provides context by emphasizing the significance of social media platforms in our daily routines. Following the context provided in sentence (D), **sentence (B)** elaborates on what these platforms allow users to do. This will be then followed by **sentence (A)** which discusses the broader influence of social media beyond personal use, highlighting its impact on public opinion and society. Sentence (A) will be then followed by **sentence (C)** which introduces the negative aspects of social media, particularly the impact on mental health and privacy, which are becoming more significant concerns. Finally, the paragraph will be concluded by **statement (E)** that offers advice to users about being cautious regarding their online presence and digital footprint in light of the issues mentioned in sentence (C). So, the final arrangement would be **FDBACE**.
This sequence provides a logical flow of ideas, starting with the general introduction of social media, moving on to its significance in our lives, the positive aspects, the negative aspects, and finally, advice for users.

S18. Ans.(b)
Sol. Going through the given sentences, it can be clearly seen that **sentence (F)** serves as an introductory statement, setting the tone for the discussion about social media's impact. Next in the arrangement would be **sentence (D)** which provides context by emphasizing the significance of social media platforms in our daily routines. Following the context provided in sentence (D), **sentence (B)** elaborates on what these platforms allow users to do. This will be then followed by **sentence (A)** which discusses the broader influence of social media beyond personal use, highlighting its impact on public opinion and society. Sentence (A) will be then followed by **sentence (C)** which introduces the negative aspects of social media, particularly the impact on mental health and privacy, which are becoming more significant concerns. Finally, the paragraph will be concluded by **statement (E)** that offers advice to users about being cautious regarding their online presence and digital footprint in light of the issues mentioned in sentence (C). So, the final arrangement would be **FDBACE**.
This sequence provides a logical flow of ideas, starting with the general introduction of social media, moving on to its significance in our lives, the positive aspects, the negative aspects, and finally, advice for users.

S19. Ans.(a)
Sol. Going through the given sentences, it can be clearly seen that **sentence (F)** serves as an introductory statement, setting the tone for the discussion about social media's impact. Next in the arrangement would be **sentence (D)** which provides context by emphasizing the significance of social media platforms in our daily routines. Following the context provided in sentence (D), **sentence (B)** elaborates on what these platforms allow users to do. This will be then followed by **sentence (A)** which discusses the broader influence of social media beyond personal use, highlighting its impact on public opinion and society. Sentence (A) will be then followed by **sentence (C)** which introduces the negative aspects of social media, particularly the impact on mental health and privacy, which are becoming more significant concerns. Finally, the paragraph will be concluded by **statement (E)** that offers advice to users about being cautious regarding their online presence and digital footprint in light of the issues mentioned in sentence (C). So, the final arrangement would be **FDBACE**.
This sequence provides a logical flow of ideas, starting with the general introduction of social media, moving on to its significance in our lives, the positive aspects, the negative aspects, and finally, advice for users.

S20. Ans.(c)

Sol. Going through the given sentences, it can be clearly seen that **sentence (F)** serves as an introductory statement, setting the tone for the discussion about social media's impact. Next in the arrangement would be **sentence (D)** which provides context by emphasizing the significance of social media platforms in our daily routines. Following the context provided in sentence (D), **sentence (B)** elaborates on what these platforms allow users to do. This will be then followed by **sentence (A)** which discusses the broader influence of social media beyond personal use, highlighting its impact on public opinion and society. Sentence (A) will be then followed by **sentence (C)** which introduces the negative aspects of social media, particularly the impact on mental health and privacy, which are becoming more significant concerns. Finally, the paragraph will be concluded by **statement (E)** that offers advice to users about being cautious regarding their online presence and digital footprint in light of the issues mentioned in sentence (C). So, the final arrangement would be **FDBACE**.

This sequence provides a logical flow of ideas, starting with the general introduction of social media, moving on to its significance in our lives, the positive aspects, the negative aspects, and finally, advice for users.

S21. Ans.(c)

Sol. Going through the given sentences, it can be clearly seen that **sentence (F)** serves as an introductory statement, setting the tone for the discussion about social media's impact. Next in the arrangement would be **sentence (D)** which provides context by emphasizing the significance of social media platforms in our daily routines. Following the context provided in sentence (D), **sentence (B)** elaborates on what these platforms allow users to do. This will be then followed by **sentence (A)** which discusses the broader influence of social media beyond personal use, highlighting its impact on public opinion and society. Sentence (A) will be then followed by **sentence (C)** which introduces the negative aspects of social media, particularly the impact on mental health and privacy, which are becoming more significant concerns. Finally, the paragraph will be concluded by **statement (E)** that offers advice to users about being cautious regarding their online presence and digital footprint in light of the issues mentioned in sentence (C). So, the final arrangement would be **FDBACE**.

This sequence provides a logical flow of ideas, starting with the general introduction of social media, moving on to its significance in our lives, the positive aspects, the negative aspects, and finally, advice for users.

S22. Ans.(e)

Sol. The correct answer is: "**Companies believe that they can capitalize from perceived gender-based branding differences**."

This option accurately reflects the motive behind the "pink tax" as explained in the passage. The "pink tax" is a pricing strategy where companies aim to capitalize on perceived gender-based branding differences to generate more income by charging higher prices for products marketed to women.

Refer to the lines, "**It's an "income-generating scenario for private companies who found a way to make their product look either more directed to or more appropriate for the population and saw that as a moneymaker**,"

Incorrect options:

(a) "To offer more products and services to meet the needs of the female demographic in society."

This option suggests that the "pink tax" is imposed to cater to the needs of women by offering more products and services. However, the passage does not mention this as the motive behind the "pink tax." The "pink tax" is more about pricing differences, not the availability of products and services.

(b) "The 'Pink Tax' is primarily collected to support the advancement of women."

This option implies that the "pink tax" is collected to benefit women's advancement, which is not the case. The "pink tax" is a pricing strategy used by companies to generate income by charging more for products marketed to women.

(c) "To eliminate the tax disparity in comparable cosmetic products."

This option suggests that the "pink tax" is imposed to eliminate tax disparities in cosmetic products, but the passage clarifies that the "pink tax" is not an actual tax imposed by the government. It's a pricing strategy.

(d) "Jennifer Weiss-Wolf introduced the 'pink tax' to promote gender-based tax equality within companies."

This option attributes the introduction of the "pink tax" to Jennifer Weiss-Wolf, which is not accurate. Jennifer Weiss-Wolf is mentioned in the passage as someone who explains the concept of the "pink tax," but she did not introduce it. The "pink tax" is not about tax equality but rather about pricing disparities.

S23. Ans.(d)

Sol. The author means: **"Gender-based pricing is only a pricing strategy by private companies."**

The author is clarifying that the term "pink tax" is not referring to an actual tax imposed by the government. Instead, it is a pricing strategy used by private companies to charge higher prices for products marketed to women based on perceived gender-based branding differences.

Refer to the lines, **"Gender-based pricing, also known as "pink tax," is an upcharge on products traditionally intended for women which have only cosmetic differences from comparable products traditionally intended for men."**

S24. Ans.(b)

Sol. Refer to the lines, "**NYC's report found women faced an average price difference of 13 percent for personal care products among the 122 products compared in the study**."

"**Researchers looked at 106 products in the toys and accessories category and found that, on average, those intended for girls were priced 7 percent higher**."

Here's an explanation for each sentence:

(I) The finding is that in the toys and accessories category, products designed for girls were priced, on average, 7 percent higher than similar products intended for boys. This illustrates a pricing disparity based on gender.

(II) The finding is that for personal care products targeted at women, there was an average price variation of 13 percent when compared to similar products intended for men. This indicates a significant price difference in personal care items.

(III) This statement mentions the report's discussion of legislative attempts to address the "pink tax," such as the bill passed by Assemblywoman Jackie Speier in 1995. However, this statement is not mentioned in the passage's findings.

As a result, only (I) and (II) are accurate findings from the passage.

S25. Ans.(c)
Sol. The consequence of gender-based pricing on consumers, particularly women, as discussed in the passage, is best described by: "**Price differences can worsen economic inequality, especially for women in lower-income households**."
The passage indicates that women face a price difference of 13 percent on personal care products, and this price increase disproportionately affects women and girls, particularly those from lower income households.
Refer to the lines, "**While this is unfair for all those shopping for these products, that 13 percent price increase hits women and girls who come from lower income households even harder**."

S26. Ans.(c)
Sol. The FALSE statement according to the passage is:
(c) The impact of the "pink tax" is confined to a select range of product categories.
Refer to the lines, ". **In every single of those five industries, consumer goods marketed to women and girls cost more. The same was the case in all but five of the 35 product categories**"
The passage does not suggest that the impact of the "pink tax" is confined to a select range of product categories. Instead, it highlights that gender-based pricing disparities were found in various industries and product categories, as indicated by the New York City report.

S27. Ans.(a)
Sol. The most suitable word to fill the blank is "**costs**".
"Costs" refers to the amount of money that needs to be paid for goods or services.
In this context, "costs" refers to the expenses or the amount of money that women and girls have to pay for personal care products, and the passage mentions that these costs are higher for them due to the price disparity.
Incorrect options:
(b) **Profits** - The financial gain or positive difference between the total revenue and the total cost of a business or operation.
(c) **Equity** - In the context of the passage, "equity" refers to fairness or justice, but it can also mean ownership interest or the value of ownership in an asset.
(d) **Categories** - Groupings or classes of things sharing common characteristics or attributes, used for organization and classification.
(e) **Risks** - The possibility of loss, harm, or danger; it represents the potential negative outcomes or uncertainties associated with a particular action or situation.

S28. Ans.(d)
Sol. The word "encompassed" in the passage means "**included**." Therefore, the word with a similar meaning is: "**included**."
(a) **Adored** - To regard with deep, often rapturous love.
(b) **Witnessed** - To see or experience (an event, typically a crime or accident) take place.
(c) **Removed** - To take away or put an end to something.
(d) **Included** - To comprise or make part of a whole.
(e) **Foresee** - To predict or anticipate an event or situation before it happens.

S29. Ans.(a)
Sol. The word "disparities" in the passage means differences or gaps. Therefore, the word with a similar meaning is: "**variance**."
(a) **Variance** - The state or quality of being different or distinct, typically with a connotation of variability or diversity.
(b) **Authentic** - Genuine, real, or true; not a copy or imitation.
(c) **Delusion** - A false belief or opinion that is firmly maintained despite being contradicted by reality or rational argument.
(d) **Dilemma** - A difficult situation or problem where one must make a choice between two equally undesirable options.
(e) **Ambiguity** - The quality of being open to more than one interpretation; uncertainty or inexactness in meaning.

S30. Ans.(c)
Sol. The word "delineated" in the passage means to describe or depict something clearly and in detail. The word with the opposite meaning is "**concealed**," which means to hide or keep something secret.
(a) **Emphasized** - To give special importance or attention to something, to highlight or stress.
(b) **Rejected** - To refuse to accept, consider, or agree with something, to turn down or decline.
(c) **Concealed** - To keep something hidden or secret, to obscure or cover something to prevent it from being seen or known.
(d) **Discussed** - To talk about a topic or subject, typically in detail and with others.
(e) **Diverted** - To cause something to change its course, to redirect or turn something in a different direction.

S31. Ans.(e)
Sol.
Total number of males visited park E = $(144 \times \frac{2}{3} + 112 \times \frac{4}{7}) \times \frac{3}{4}$

$= 160 \times \frac{3}{4}$

$= 120$

Total females visited park E = $112 \times \frac{3}{7} \times \frac{5}{4}$

$= 48 \times \frac{5}{4}$

$= 60$

Required people = 120 + 60 = 180

S32. Ans.(d)
Sol.
Total local people visited park B = $160 \times \frac{7}{8} = 140$

Total outside people visited park B = 160 − 140 = 20

Total females visited park B = $160 \times \frac{3}{8} = 60$

Total local females visited park B = $60 \times \frac{5}{6} = 50$

Total outside females visited park B = 60 − 50 = 10

Required ratio = (20 − 10) : (140 − 50) = 1 : 9

S33. Ans.(c)
Sol.

Required average $= \frac{1}{3} \times (144 \times \frac{1}{3} + 112 \times \frac{3}{7} + 96 \times \frac{3}{4})$

$= \frac{1}{3} \times (48 + 48 + 24) = 40$

Total number of males visited park B $= 160 \times \frac{5}{8} = 100$

Required difference $= 100 - 40 = 60$

S34. Ans.(a)
Sol.

Let price of each ticket for male $= 5x$

So, price of each ticket for female $= 5x \times \frac{80}{100} = 4x$

ATQ, $5x \times 96 \times \frac{3}{4} + 4x \times 96 \times \frac{1}{4} = 2280$

$360x + 96x = 2280$

$456x = 2280$

$x = 5$

Required price $= 25 \times \frac{80}{100} = 20$ Rs

S35. Ans.(e)
Sol.

Total number of females visited park A and B $= 144 \times \frac{1}{3} + 160 \times \frac{3}{8}$

$= 48 + 60$

$= 108$

Total females visited park F $= 60 \times 3 - 108 = 72$

Total males visited park A $= 144 \times \frac{2}{3} = 96$

Required percentage $= \frac{72}{96} \times 100 = 75\%$

S36. Ans.(c)
Sol.

Total number of females visited park A and D $= 144 \times \frac{1}{3} + 96 \times \frac{1}{4}$

$= 48 + 24 = 72$

Total number of females visited park B $= 160 \times \frac{3}{8} = 60$

Required percentage $= \frac{72-60}{60} \times 100 = 20\%$

S37. Ans.(e)
Sol.

Months	Total number of articles sold	Number of articles A sold	Total number of articles C sold	Total number of articles B sold
April	3×100=300	$\frac{40}{100} \times 300 = 120$	100	300 –(120+100)= 80
May	3×120 = 360	$\frac{30}{100} \times 360 = 108$	70	360 –(108+70) = 182
June	3×72 = 216	$\frac{25}{100} \times 216 = 54$	80	216 – (54+80) = 82

Number of articles A sold in July = $\frac{125}{100} \times \left(\frac{182+82}{2}\right) = \frac{5}{4} \times 132 = 165$

Number of articles B and C sold in July = $\frac{130}{100} \times 80 = 104$

Here we don't know the number of article B sold in July

So, we can't be determined

S38. Ans.(a)
Sol.

Months	Total number of articles sold	Number of articles A sold	Total number of articles C sold	Total number of articles B sold
April	3×100=300	$\frac{40}{100} \times 300 = 120$	100	300 –(120+100)= 80
May	3×120 = 360	$\frac{30}{100} \times 360 = 108$	70	360 –(108+70) = 182
June	3×72 = 216	$\frac{25}{100} \times 216 = 54$	80	216 – (54+80) = 82

Number of articles C sold in April and June together = 100 + 80 = 180

Number of articles A sold in May = 108

Required percentage = $\frac{180}{108} \times 100 = 166\frac{2}{3}\% = 167\%$ (approx.)

S39. Ans.(c)
Sol.

Months	Total number of articles sold	Number of articles A sold	Total number of articles C sold	Total number of articles B sold
April	3×100=300	$\frac{40}{100} \times 300 = 120$	100	300 –(120+100)= 80
May	3×120 = 360	$\frac{30}{100} \times 360 = 108$	70	360 –(108+70) = 182
June	3×72 = 216	$\frac{25}{100} \times 216 = 54$	80	216 – (54+80) = 82

Sum of the number of articles A and B together sold in May = 108+182 = 290

Difference between the articles B and C sold in April = 100 – 80 = 20

Required ratio = $\frac{290}{20} = 29:2$

S40. Ans.(b)
Sol.

Months	Total number of articles sold	Number of articles A sold	Total number of articles C sold	Total number of articles B sold
April	3×100=300	$\frac{40}{100} \times 300 = 120$	100	300 –(120+100)= 80
May	3×120 = 360	$\frac{30}{100} \times 360 = 108$	70	360 –(108+70) = 182
June	3×72 = 216	$\frac{25}{100} \times 216 = 54$	80	216 – (54+80) = 82

ATQ,

10×120 + y×80 + (y+20)×100 = 4100

1200 + 80y + 100y + 2000 = 4100

180y = 4100 − 3200

180y = 900

y = 5

Required value = 3y = 15

S41. Ans.(d)
Sol.

Months	Total number of articles sold	Number of articles A sold	Total number of articles C sold	Total number of articles B sold
April	3×100=300	$\frac{40}{100}$ × 300 = 120	100	300 −(120+100)= 80
May	3×120 = 360	$\frac{30}{100}$ × 360 = 108	70	360 −(108+70) = 182
June	3×72 = 216	$\frac{25}{100}$ × 216 = 54	80	216 − (54+80) = 82

Number males purchased total articles (A, B and C) = $\frac{216}{4}$ × 3 = 162

Number of females purchased total articles (A, B and C) = 216 − 162 = 54

Number of females purchased articles A = $\frac{54}{3}$ × 2 = 36

Number of females purchased articles C = 10

Number of females purchased articles B = 54-36-10 = 8

Number of males purchased articles B = 82 − 8 = 74

S42. Ans.(a)
Sol.

I. $x^2 - 4x - 28x + 112 = 0$

$x(x - 4) - 28(x - 4) = 0$

$(x - 4)(x - 28) = 0$

$x = 4, 28$

II. $y^2 - 7y + 12 = 0$

$y^2 - 4y - 3y + 12 = 0$

$y(y - 4) - 3(y - 4) = 0$

$(y - 4)(y - 3) = 0$

$y = 4, 3$

So, $x \geq y$

S43. Ans.(b)
Sol.

I. $x^2 + 5x + 7x + 35 = 0$

$x(x + 5) + 7(x + 5) = 0$

$(x + 5)(x + 7) = 0$

$x = -5, -7$

II. $y^2 + 7y + 10 = 0$

$y^2 + 2y + 5y + 10 = 0$

$y(y + 2) + 5(y + 2) = 0$

$(y + 2)(y + 5) = 0$

$y = -2, -5$

So, $x \leq y$.

S44. Ans.(a)
Sol.

I. $x^2 - 12x + 5x - 60 = 0$

   $x(x - 12) + 5(x - 12) = 0$

   $(x - 12)(x + 5) = 0$

   $x = 12, -5$

II. $y^2 + 8y + 5y + 40 = 0$

   $y(y + 8) + 5(y + 8) = 0$

   $(y + 8)(y + 5) = 0$

   $y = -8, -5$

   $x \geq y$

S45. Ans.(e)
Sol.

I. $x^2 + 4x - 3x - 12 = 0$

$(x + 4)(x - 3) = 0$

$x = 3, -4$

II. $y^2 + 5y - 3y - 15 = 0$

$(y + 5)(y - 3) = 0$

$y = -5, 3$

No relation can be established

S46. Ans.(c)
Sol.

I. $x^2 + 31x + 84 = 0$

$x^2 + 28x + 3x + 84 = 0$

$x = -28, -3$

II. $4y^2 - 19y + 21 = 0$

$4y^2 - 12y - 7y + 21 = 0$

$y = 3, \frac{7}{4}$

So, $x < y$

S47. Ans.(a)
Sol.

Pattern of the series

25,	**100,**	256,	476,	745,	1050
+75	+156	+220	+269	+305	
+81	+64	+49	+36		
9^2	8^2	7^2	6^2		

S48. Ans.(d)

Sol.

Pattern of the series

300,	149,	148,	221,	441,	1101.5
×0.5-1	×1-1	×1.5-1	×2-1	×2.5-1	

S49. Ans.(c)

Sol.

Pattern of the series

15,	34,	57,	86,	117,	154
+19	+23	+29	+31	+37	

S50. Ans.(a)

Sol.

Pattern of the series

68,	283,	407,	470,	496,	503
+215	+124	+63	+26	+7	
(6^3-1)	(5^3-1)	(4^3-1)	(3^3-1)	(2^3-1)	

S51. Ans.(e)

Sol.

Pattern of the series

54,	67,	50,	63,	46,	59
+13	-17	+13	-17	+13	

S52. Ans.(b)

Sol.

Pattern of the series

60,	61.2,	63.6,	70.8,	99.6,	243.6
+1.2	+2.4	+7.2	+28.8	+144	
	×2	×3	×4	×5	

S53. Ans.(e)

Sol.

Given, A, B and C together can complete the work = $\frac{180}{11}$ days

While A and B together can complete the same work = 20 days

Let total work = 180 unit

Efficiency of A, B and C = $180 \times \frac{11}{180} = 11$ unit/day

Efficiency of A and B = $\frac{180}{20} = 9$ unit/day

Efficiency of C = 11 – 9 = 2 unit/day

Required days = $180 \times \frac{60}{100} \times \frac{1}{2} = 54$ days

S54. Ans.(e)
Sol.

Let length of the rectangle = 12x

So, breadth of the rectangle = $12x \times \frac{2}{3} = 8x$

Original area of the rectangle = $12x \times 8x = 96x^2$

ATQ, new length of the rectangle = $12x \times \frac{125}{100} = 15x$

New area of the rectangle = $15x \times 8x = 120x^2$

ATQ, $120x^2 - 96x^2 = 24$

$x^2 = 1$

$x = 1$

Required length = 12 meters

S55. Ans.(d)
Sol.

Total cost price of P and Q = $1350 \times 2 = 2700 \, Rs$

Let cost price of article P = Rs x

So, cost price of article Q = (2700 – x) Rs

ATQ, $x \times \frac{110}{100} + (2700 - x) \times \frac{120}{100} = 3120$

$1.1x + 3240 - 1.2x = 3120$

$0.1x = 120$

$x = 1200$

Required selling price = $(2700 - 1200) \times \frac{140}{100} = 2100 \, Rs$

S56. Ans.(e)
Sol.

Profit ratio of P and Q respectively = $15000 \times 12 : [(15000 + x) \times 4 + (15000 + x)$

$\times \frac{60}{100} \times 8)$

= 180000 : (132000 + 8.8x)

ATQ, $\frac{180000}{132000 + 8.8x} = \frac{47000 - 22000}{22000}$

$0.8x = 2400$

$x = 3000 \, Rs$

So, 2x = 6000

S57. Ans.(a)
Sol.

ATQ, $X \times \frac{10 \times 4}{100} + (X+400) \times \frac{12 \times 2}{100} = 640$

$\frac{2X}{5} + \frac{6X}{25} + 96 = 640$

$\frac{10X + 6X}{25} = 544$

$16X = 544 \times 25$

$X = 850 \, Rs$

S58. Ans.(d)
Sol.

Ratio of quantity of milk and water in vessel A = 60% : 40% = 3 : 2

Given, in 'x' liters mixture quantity of water is 12 liters

So, x = 12 × $\frac{5}{2}$ = 30 liters

Required difference = (30 + 12) − 30 × $\frac{3}{5}$

= 42 − 18 = 24 liters

S59. Ans.(a)
Sol.

Let speed of the boat in still water be 'x' km/hr

And speed of stream be 'y' km/hr

ATQ, (x+y) − (x-y) = 4

2y = 4

y = 2 km/hr

$\frac{400}{x+2} + \frac{320}{x-2} = 40$

$\frac{10}{x+2} + \frac{8}{x-2} = 1$

10x − 20 + 8x + 16 = x^2 − 4

18x − 4 = x^2 − 4

18x = x^2

x^2 − 18x = 0

x(x-18) = 0

x= 0

x = 18

Required time = $\frac{720}{18+2}$ = 36 hours

S60. Ans.(d)
Sol.

Sum of all numbers = 11 × 71 = 781

Sum of first five numbers = 67 × 5 = 335

Sum of last four numbers = 91.5 × 4 = 366

Sum of sixth and seventh numbers = 781 − (335+366) = 80

So, sixth number = 80 × $\frac{9}{16}$ = 45

S61. Ans.(b)
Sol.

In 2015

Total project handle by B be 2x

And total project handle by A = 2x × 1.5 = 3x

In 2016

Total project handle by B = 2x+9

And total project handle by A = 20

In 2017

Total project handle by A = $\frac{5}{4} \times 2x = 2.5x$

And total project handle by B = 30

Given, $3x + 20 + 2.5x = 42$

$x = 4$

Companies	2015	2016	2017
A	12	20	10
B	8	17	30

Required difference = $30 - 20 = 10$

S62. Ans.(b)
Sol.

In 2015

Total project handle by B be 2x

And total project handle by A = $2x \times 1.5 = 3x$

In 2016

Total project handle by B = 2x+9

And total project handle by A = 20

In 2017

Total project handle by A = $\frac{5}{4} \times 2x = 2.5x$

And total project handle by B = 30

Given, $3x + 20 + 2.5x = 42$

$x = 4$

Companies	2015	2016	2017
A	12	20	10
B	8	17	30

The projects handle by C in 2015 = $\frac{3}{2} \times 10 = 15$

Required ratio = 8 : 15

S63. Ans.(d)
Sol.

In 2015

Total project handle by B be 2x

And total project handle by A = $2x \times 1.5 = 3x$

In 2016

Total project handle by B = 2x+9

And total project handle by A = 20

In 2017

Total project handle by A = $\frac{5}{4} \times 2x = 2.5x$

And total project handle by B = 30

Given, $3x + 20 + 2.5x = 42$

$x = 4$

Companies	2015	2016	2017
A	12	20	10
B	8	17	30

Required percentage = $\frac{20-8}{8} \times 100 = 150\%$

S64. Ans.(d)
Sol.

In 2015
Total project handle by B be 2x
And total project handle by A = $2x \times 1.5 = 3x$
In 2016
Total project handle by B = 2x+9
And total project handle by A = 20
In 2017
Total project handle by A = $\frac{5}{4} \times 2x = 2.5x$
And total project handle by B = 30
Given, $3x + 20 + 2.5x = 42$
$x = 4$

Companies	2015	2016	2017
A	12	20	10
B	8	17	30

Total projects handle by B in all three years = 8+17+30 =55

S65. Ans.(b)
Sol.
Let the present age of A and B be 3k and 4k years respectively.
ATQ,
$\frac{3k-X}{4k-X} = \frac{5}{7}$
$2X = k$ .... (i)
$(3 + 4)k + X \times 2 = 48$
$7k + 2X = 48$ .... (ii)
Solving (i) & (ii)
X = 3, k = 6
Present age of B = 4k = 24 years

S66. Ans.(d)
Sol.

Months	Dates	Persons	Colors
September	11	K	Red
	22	L	Blue
October	11	R	Green
	22	V	White
November	11	H	Yellow
	22	S	Pink

S67. Ans.(c)
Sol.

Months	Dates	Persons	Colors
September	11	K	Red
	22	L	Blue
October	11	R	Green
	22	V	White
November	11	H	Yellow
	22	S	Pink

S68. Ans.(a)
Sol.

Months	Dates	Persons	Colors
September	11	K	Red
	22	L	Blue
October	11	R	Green
	22	V	White
November	11	H	Yellow
	22	S	Pink

S69. Ans.(e)
Sol.

Months	Dates	Persons	Colors
September	11	K	Red
	22	L	Blue
October	11	R	Green
	22	V	White
November	11	H	Yellow
	22	S	Pink

S70. Ans.(d)
Sol.

Months	Dates	Persons	Colors
September	11	K	Red
	22	L	Blue
October	11	R	Green
	22	V	White
November	11	H	Yellow
	22	S	Pink

S71. Ans.(a)
Sol.

L(-)═══R(+)
│
P(-)═══F(+)───M(-)
│
C(-)───V(+)═══N(-)

S72. Ans.(b)
Sol.

L(-)═══R(+)
│
P(-)═══F(+)───M(-)
│
C(-)───V(+)═══N(-)

S73. Ans.(e)
Sol.
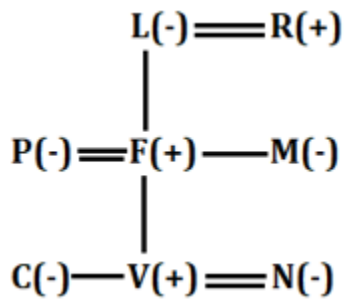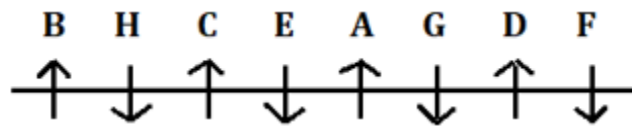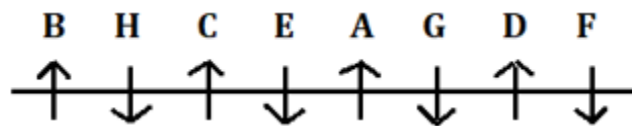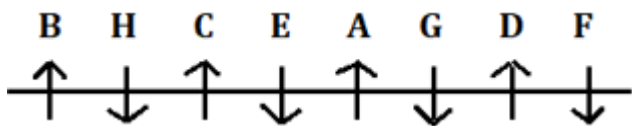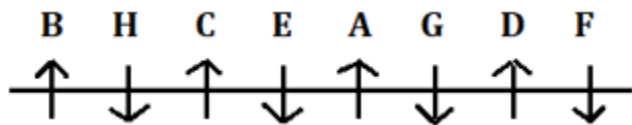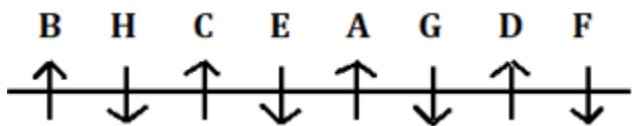
```
        L(-)══════R(+)
         │
         │
P(-)════F(+)───────M(-)
         │
         │
C(-)──────V(+)══════N(-)
```

S74. Ans.(c)
Sol.

B H C E A G D F
↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓

S75. Ans.(a)
Sol.

B H C E A G D F
↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓

S76. Ans.(e)
Sol.

B H C E A G D F
↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓

S77. Ans.(e)
Sol.

B H C E A G D F
↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓

S78. Ans.(b)
Sol.

B H C E A G D F
↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓

S79. Ans.(b)

S80. Ans.(b)
Sol.

White

Rose

Black

Pink

S81. Ans.(a)
Sol.

Tube

Well

Tank

Pipe

S82. Ans.(e)
Sol.

House

Wall

Top

Hat

S83. Ans.(e)
Sol.

E, Jasmine

C, Daisy

B, Marigold

F, Dahila

D, Rose

A, Lily

S84. Ans.(b)
Sol.

E, Jasmine
C, Daisy
B, Marigold
D, Rose
F, Dahila
A, Lily

S85. Ans.(c)
Sol.

E, Jasmine
C, Daisy
B, Marigold
D, Rose
F, Dahila
A, Lily

S86. Ans.(b)
Sol.

E, Jasmine
C, Daisy
B, Marigold
D, Rose
F, Dahila
A, Lily

S87. Ans.(a)
Sol.

E, Jasmine
C, Daisy
B, Marigold
D, Rose
F, Dahila
A, Lily

S88. Ans.(e)
Sol.

B O N A F I D E
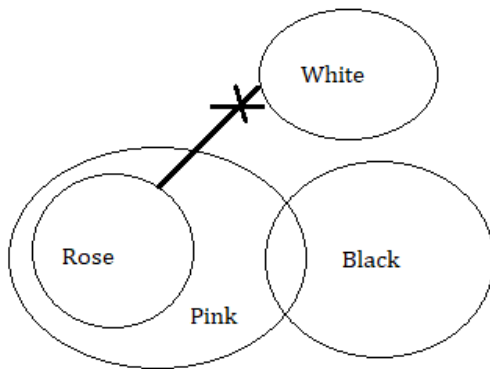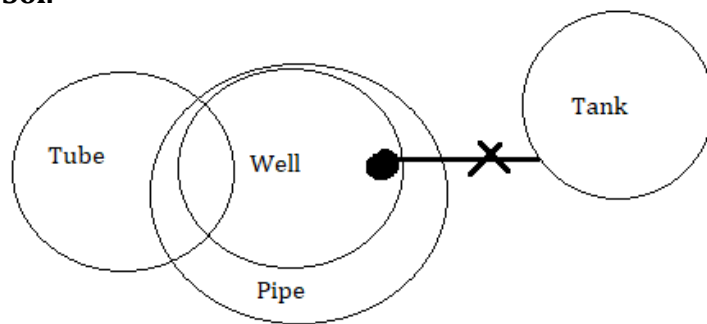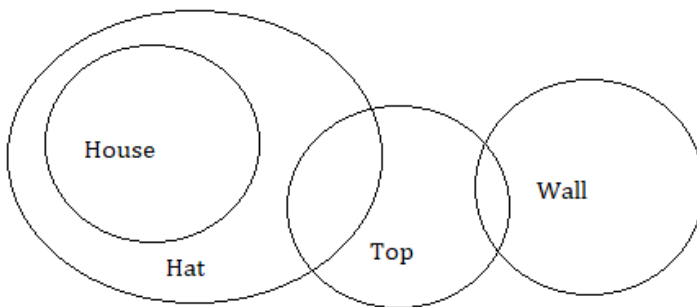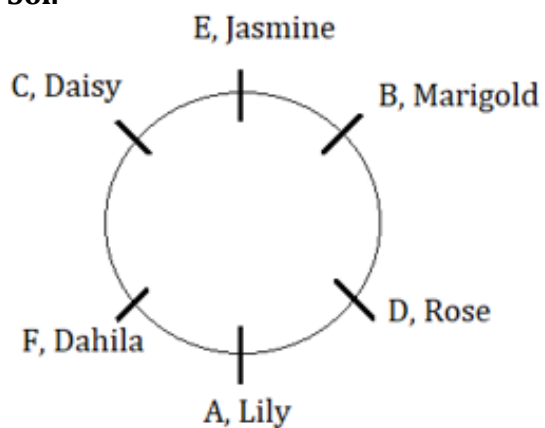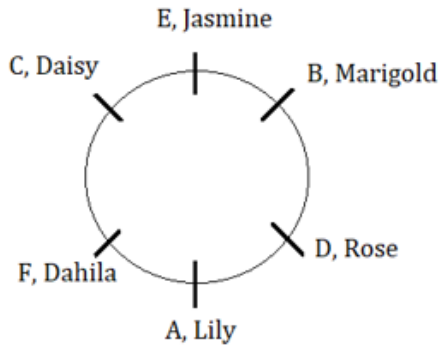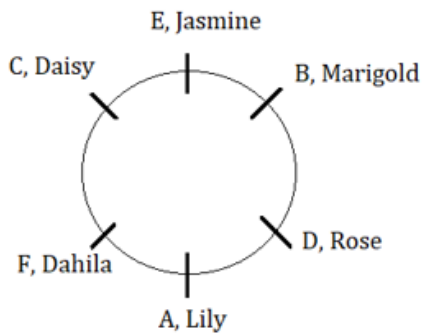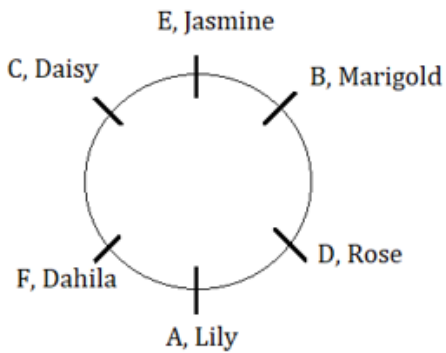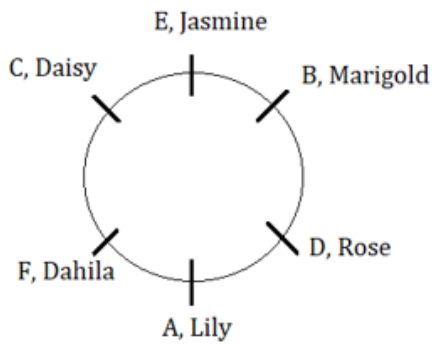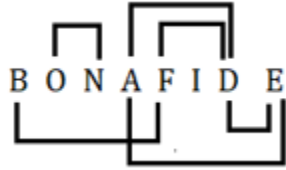
S89. Ans.(d)
Sol.
M > N (48kg) > R > S (34kg) > Q (17kg) > T

S90. Ans.(b)
Sol.
M > N (48kg) > R > S (34kg) > Q (17kg) > T

S91. Ans.(a)
Sol.
M > N (48kg) > R > S (34kg) > Q (17kg) > T

S92. Ans.(e)
Sol.

Floor	Person
10	U
9	P
8	R
7	W
6	T
5	Q
4	Y
3	V
2	S
1	X

S93. Ans.(c)
Sol.

Floor	Person
10	U
9	P
8	R
7	W
6	T
5	Q
4	Y
3	V
2	S
1	X

S94. Ans.(a)

Sol.

Floor	Person
10	U
9	P
8	R
7	W
6	T
5	Q
4	Y
3	V
2	S
1	X

S95. Ans.(c)

Sol.

Floor	Person
10	U
9	P
8	R
7	W
6	T
5	Q
4	Y
3	V
2	S
1	X

S96. Ans.(b)

Sol.

Floor	Person
10	U
9	P
8	R
7	W
6	T
5	Q
4	Y
3	V
2	S
1	X

All live on prime numbered floor except T

S97. Ans.(a)
Sol.

Words	Codes
Several/ Port	yu/xl
Single	vb
Around	po
Event	wa
Cost	rf
Edition	zx
Public	Km
Order	tf
Host/ Winter	vc/ ur

S98. Ans.(c)
Sol.

Words	Codes
Several/ Port	yu/xl
Single	vb
Around	po
Event	wa
Cost	rf
Edition	zx
Public	Km
Order	tf
Host/ Winter	vc/ ur

S99. Ans.(c)
Sol.

Words	Codes
Several/ Port	yu/xl
Single	vb
Around	po
Event	wa
Cost	rf
Edition	zx
Public	Km
Order	tf
Host/ Winter	vc/ ur

S100. Ans.(b)
Sol.

Words	Codes
Several/ Port	yu/xl
Single	vb
Around	po
Event	wa
Cost	rf
Edition	zx
Public	Km
Order	tf
Host/ Winter	vc/ ur