

Business Mathematics and Logical Reasoning & Statistics

01. $\frac{3x-2}{5x+6}$ is the duplicate ratio of $\frac{2}{3}$ then find the value of x:
 (a) 2 (b) 6
 (c) 5 (d) 9
02. $\frac{2^{m+1} \times 3^{2m-n+3} \times 5^{n+m+4} \times 6^{2n+m}}{6^{2m+n} \times 10^{n+1} \times 15^{m+3}}$
 (a) 3^{2m-2n} (b) 3^{2n-2m}
 (c) 1 (d) None of the above
03. If $x : y : z = 7 : 4 : 11$ then $\frac{x+y+z}{z}$ is:
 (a) 2 (b) 3
 (c) 4 (d) 5
04. $\log_2 \log_2 \log_2 16 = ?$
 (a) 0 (b) 3
 (c) 1 (d) 2
05. A man invests an amount of ₹ 15860 in the names of his three sons A, B and C in such a way that they get the same amount after 2, 3 and 4 years respectively. If the rate of interest is 5% then ratio of amount invested in the name of A,B and C is
 (a) 6:4:3 (b) 30:12:5
 (c) 3:4:6 (d) None of the above
06. When two roots of quadratic equation are $\alpha, \frac{1}{\alpha}$ then what will be the quadratic equation:
 (a) $\alpha x^2 - (\alpha^2+1)x + \alpha = 0$ (b) $\alpha x^2 - \alpha^2 x + 1 = 0$
 (c) $\alpha x^2 - (\alpha^2+1)x + 1 = 0$ (d) None of these
07. Let α and β be the roots of $x^2 + 7x + 12 = 0$. Then the value of $\left(\frac{\alpha^2}{\beta} + \frac{\beta^2}{\alpha}\right)$ will be
 (a) $\frac{49}{144} + \frac{144}{49}$ (b) $\frac{7}{12} + \frac{12}{7}$
 (c) $-\frac{91}{12}$ (d) None of the above
08. If $A = \begin{bmatrix} -5 & 2 \\ 1 & -3 \end{bmatrix}$, then adj A is
 (a) $\begin{bmatrix} -3 & -2 \\ -1 & -5 \end{bmatrix}$ (b) $\begin{bmatrix} 5 & 1 \\ 2 & 3 \end{bmatrix}$
 (c) $\begin{bmatrix} 3 & -2 \\ -1 & 5 \end{bmatrix}$ (d) $\begin{bmatrix} 3 & 2 \\ 1 & 5 \end{bmatrix}$

09. If $A = \begin{bmatrix} 5 & x \\ y & 0 \end{bmatrix}$ and $A=A^T$, then
- (a) $x = 0, y = 5$ (b) $x = y$
(c) $x + y = 5$ (d) None of these
10. Let A^T be the transpose of matrix A having order $m \times n$, then $A^T A$ is a matrix of order
- (a) $n \times n$ (b) $m \times m$
(c) $m \times n$ (d) $n \times m$
11. On Solving the Inequalities $5x + y \leq 100$, $x + y \leq 60$, $x \geq 0$, $y \geq 0$, we get the following situation:
- (a) (0, 0), (20, 0), (10, 50) & (0, 60) (b) (0, 0), (60, 0), (10, 50) & (0, 60)
(c) (0, 0), (20, 0), (0, 100) & (10, 50) (d) None of these
12. If ₹ 10,000 is invested at 8% per year compound quarterly, then the value of the investment after 2 years is [given $(1 + 0.2)^8 = 1.171659$]
- (a) ₹10,716.59 (b) ₹11,716.59
(c) ₹117.1659 (d) None of the above
13. A bank pays 10% rate of interest, interest being calculated half yearly. A sum of ₹ 400 is deposited in the bank. The amount at the end of 1 years will be
- (a) ₹439 (b) ₹440
(c) ₹442 (d) ₹441
14. A certain money doubles itself in 10 years when deposited on simple interest. It would triple itself in
- (a) 30 years (b) 20 years
(c) 25 years (d) 15 years
15. A men deposited ₹8,000 in a bank for 3 years at 5% per annum compound interest, after 3 years he will get
- (a) ₹9,000 (b) ₹8,800
(c) ₹9,200 (d) ₹9,261
16. If in two years time a principal of ₹100 amounts to ₹121 when the interest at the rate of $r\%$ is compounded annually, then the value of r will be
- (a) 14 (b) 10.5
(c) 15 (d) 10
17. A certain sum of money Q was deposited for 5 year and 4 months at 4.5% simple interest and amounted to ₹248, then the value of Q is
- (a) ₹240 (b) ₹200
(c) ₹220 (d) ₹210
18. The effective rate of interest for one year deposit corresponding to a nominal 7% rate of interest per annum convertible quarterly is
- (a) 7% (b) 7.4%
(c) 7.5% (d) 7.18%
19. How much will ₹ 25,000 amount to in 2 years at compound interest if the rates for the successive years are 4% and 5% per year
- (a) ₹27,000 (b) ₹27,300
(c) ₹27,500 (d) ₹27,900

20. ₹ 8,000/- at 10% per annum interest compounded half yearly will become at the end of one year
(a) ₹ 8,800/- (b) ₹ 8,900/-
(c) ₹ 8820 (d) ₹ 9,600
21. The value of furniture depreciates by 10% a year, if the present value of the furniture in an office is ₹ 21870, calculate the value of furniture 3 years ago
(a) ₹ 30,000 (b) ₹ 40,000
(c) ₹ 35,000 (d) ₹ 50,000
22. If compound interest on a sum for 2 years at 4% per annum is ₹102, then the simple interest on the same period at the same rate will be
(a) ₹ 90 (b) ₹ 100
(c) ₹ 101 (d) ₹ 93
23. If the difference between the compound interest compounded annually and simple interest on a certain amount at 10% per annum for two years is ₹ 372, then the principal amount is
(a) ₹ 37,000 (b) ₹ 37,200
(c) ₹ 37,500 (d) None of the above
24. What is the net present value of piece of property which would be valued at ₹2 lakh at the end of 2 years? (Annual rate of increase = 5%)
(a) ₹ 2.00 lakh (b) ₹ 1.81 lakh
(c) 2.01 lakh (d) None of the above
25. The number of words from the letters of the word BHARAT, in which B and H will never come together, is
(a) 120 (b) 360
(c) 240 (d) None of the above
26. The value of N in $\frac{1}{7!} + \frac{1}{8!} = \frac{N}{9!}$ is
(a) 81 (b) 64
(c) 78 (d) 89
27. If ${}^n P_r = 720$ and ${}^n C_r = 120$ then r is
(a) 4 (b) 5
(c) 3 (d) 6
28. A bag contains 4 red, 3 black and 2 white balls. In how many ways 3 balls can be drawn from this bag so that they include at least one black ball?
(a) 46 (b) 64
(c) 86 (d) None of the above
29. If the p^{th} term of an A.P. is ' q ' and the q^{th} term is ' p ', then its r^{th} term is
(a) $p + q + r$ (b) $p + q - r$
(c) $p - q - r$ (d) $p + q$
30. The 3rd term of a G.P. is $\frac{2}{3}$ and the 6th term is $\frac{2}{81}$, then the 1st term is
(a) 2 (b) 6
(c) 9 (d) $\frac{1}{3}$
31. The sum of the series $-8, -6, -4, \dots, n$ terms is 52. The number of terms n is

- | | |
|--------|--------|
| (a) 10 | (b) 11 |
| (c) 13 | (d) 12 |

32. The value of K , for which the terms $7K + 3, 4K - 5, 2K + 10$ are in A.P., is

- | | |
|---------|---------|
| (a) -13 | (b) -23 |
| (c) 13 | (d) 23 |

33. A is {1,2,3,4} and B is {1,4,9,16,25} if a function f is defined from set A to B where $f(x) = x^2$ then the range of f is:

- | | |
|-------------------|-------------------|
| (a) {1,2,3,4} | (b) {1,4,9,16} |
| (c) {1,4,9,16,25} | (d) None of these |

34. If $A = \{1,2\}$ and $B = \{3, 4\}$. Determine the number of relations from A and B:

- | | |
|-------|--------|
| (a) 3 | (b) 16 |
| (c) 5 | (d) 6 |

35. If $A = \{1,2,3,4,5,6,7\}$ and $B = \{2, 4,6,8\}$. Cardinal number of $A - B$ is:

- | | |
|-------|-------|
| (a) 4 | (b) 3 |
| (c) 9 | (d) 7 |

36. Identify the function from the following:

- | | |
|--------------------------------------|-------------------------------|
| (a) $\{(1,1), (1,2), (1,3)\}$ | (b) $\{(1,1), (2,1), (2,3)\}$ |
| (c) $\{(1,2), (2,2), (3,2), (4,2)\}$ | (d) None of these |

37. Let $x = at^3, y = \frac{a}{t^2}$, Then $\frac{dy}{dx}$

- | | |
|-----------------------|-----------------------|
| (a) $\frac{-3a}{t^6}$ | (b) $\frac{-1}{t^6}$ |
| (c) $\frac{1}{3at^2}$ | (d) None of the above |

38. $xy = 1$ then $y^2 + \frac{dy}{dx} = ?$

- | | |
|-------|-----------------------|
| (a) 1 | (b) 0 |
| (c) 2 | (d) None of the above |

39. $\int x(x^2 + 4)^5 dx$ is equal to

- | | |
|-----------------------------------|-----------------------|
| (a) $\frac{1}{12}(x^2 + 4)^6 + c$ | (b) $(x^2 + 4)^6 + c$ |
| (c) $\frac{1}{6}(x^2 + 4)^6 + c$ | (d) None of the above |

40. $\int_{-1}^3 (1 + 3x - x^3) dx$ is equal to

- | | |
|--------|--------|
| (a) -3 | (b) -4 |
| (c) 3 | (d) 4 |

41. If PLAY is coded as 8123 and RHYME is coded as 49367. What will be code of MALE?

- | | |
|----------|----------|
| (a) 6285 | (b) 6217 |
| (c) 6395 | (d) 6198 |

42. Find out the next number in the following series 7,11,13,17,19,23,25,29,?

- | | |
|--------|--------|
| (a) 33 | (b) 30 |
| (c) 32 | (d) 31 |

43. If HONEY is coded as JQPGA, which word is code as VCTIGVU?
(a) CARPETS (b) TRAPETS
(c) UMBRELU (d) TARGETS
44. Find odd man out of the following series
15,21,63,81,69
(a) 15 (b) 21
(c) 81 (d) 63
45. Find odd man out of the following series
7, 9, 13, 17, 19.
(a) 9 (b) 7
(c) 13 (d) 19
46. Rahim started from point X and walked straight 5 km. West, then turned left and walked straight 2 km and again turned left and walked straight 7 km. In which direction is he from the point X?
(a) North-East (b) South-East
(c) South-West (d) North-West
47. A man started to walk East. After moving a certain distance, he turns to his right. After moving some distance, he turns to his right again. After moving a little he turns now to his left currently, he is going in Direction.
(a) North (b) East
(c) West (d) South
48. Manu wants to go to the market. He starts from his house towards North reaches at a crossing after 30m. He turns towards East, goes 10m till the second crossing and turns again, moves towards South straight for 30m where marketing complex exits. In which direction is the market from his house?
(a) North (b) West
(c) South (d) East
49. Anoop Starts walking towards South after walking 15 meters he turns towards North. After walking 20 meters he turns towards East and walks 10 meters. He then turns towards south and walks 5 meters. In which direction is he from the original position.
(a) East (b) South
(c) West (d) North
50. Pointing to man in a photograph, a woman said "the father of his brother is the only son of my grandfather", how is the woman related to the man in the photograph?
(a) Mother (b) Daughter
(c) Aunty (d) Sister
51. Six Persons are seen together in a group. They are A, B, C, D, E and F. B is brother of D, but D is not brother of B. F is brother of B. C and A are married together. F is son of C, but C is not mother of F. E is brother of A. The number of female member in the group is
(a) 1 (b) 2
(c) 3 (d) 4
52. Ram and Mohan are brothers, Shankar is Mohan's father. Chhaya is Shankar's sister. Priya is shankar's niece. Shubhra is Chhaya's granddaughter. Then, Ram is Shubhra's
(a) Brother (b) Uncle
(c) Cousin (d) Nephew

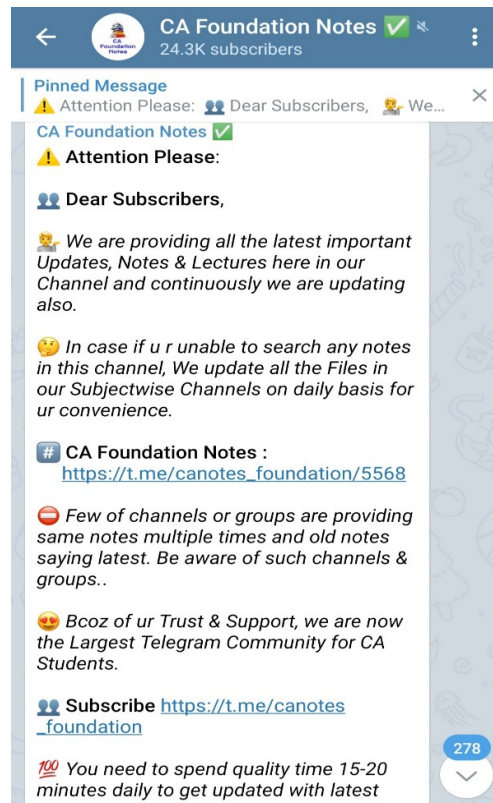
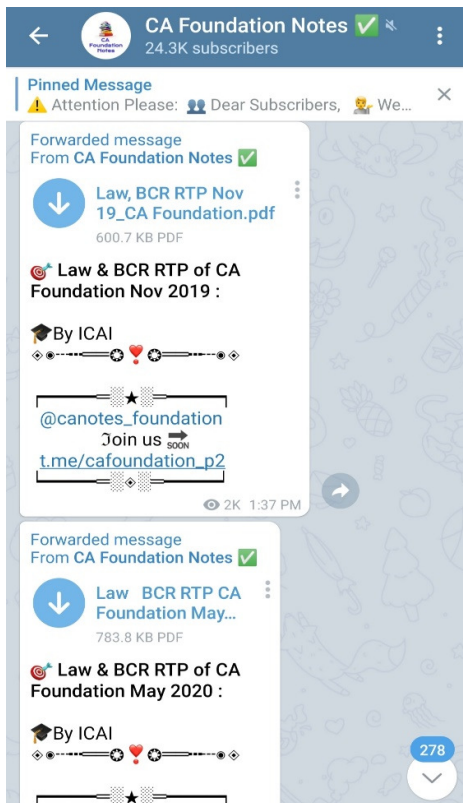
CA Foundation Notes Telegram Channel

One Stop Destination

Largest CA Foundation Telegram Channel

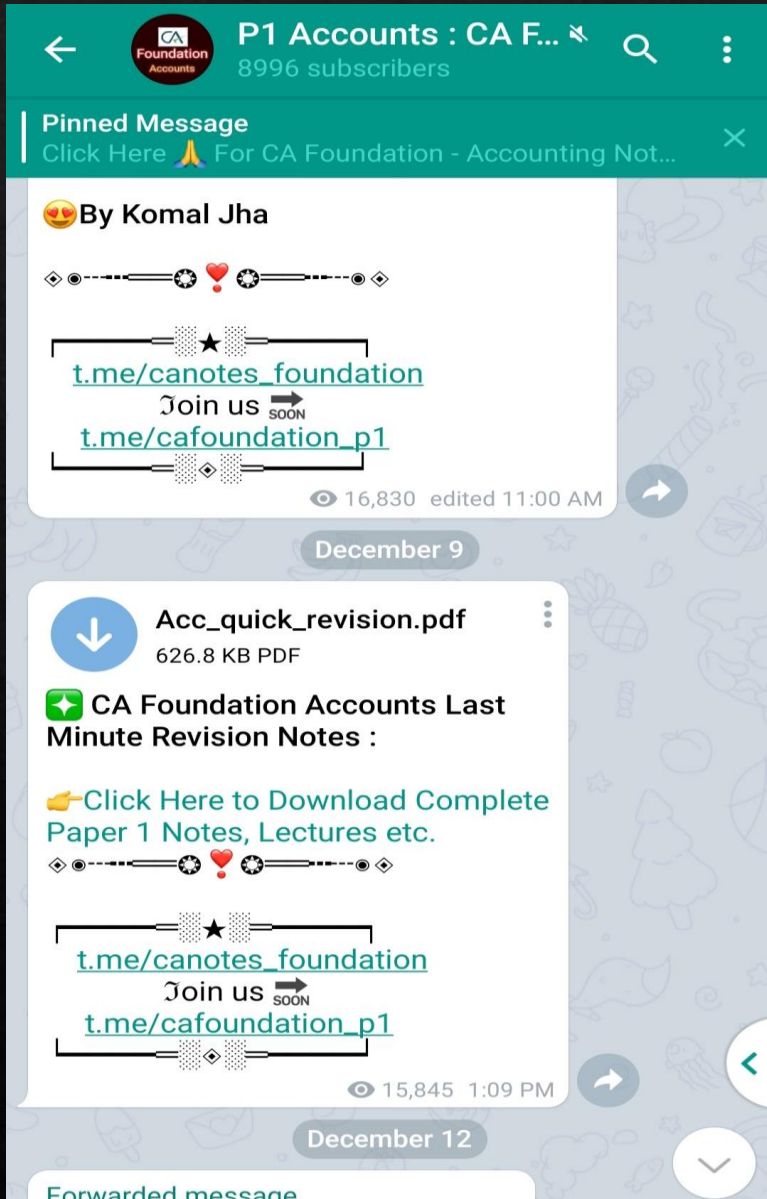


Click on above Telegram logo to join



JOIN LARGEST CA FOUNDATION TELEGRAM CHANNEL T.ME/CANOTES_FOUNDATION

P1 : Accounts



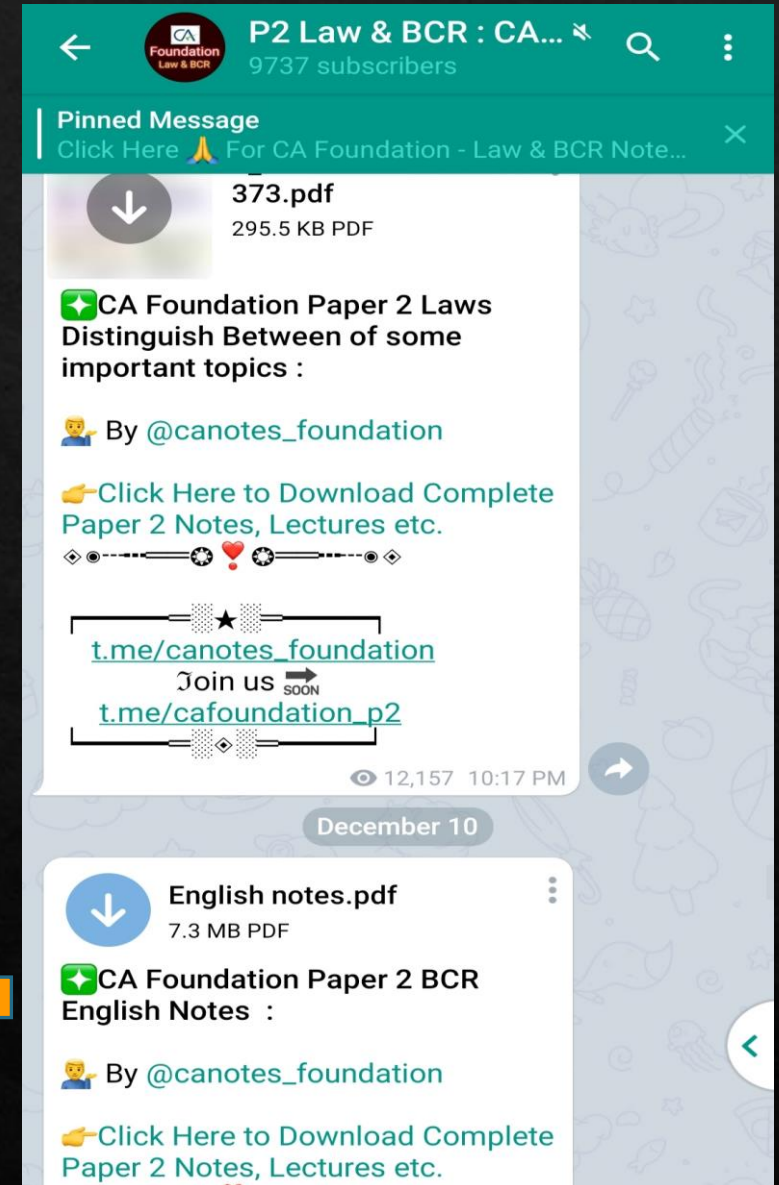
To Join P1 : Accounts
Search @cafoundation_p1
In Telegram App



To Join P2 : Law & BCR
Search @cafoundation_p2
In Telegram App



P2 : Law & BCR



P1 : Accounts

CA Foundation
Maths, Stats & LR
9174 subscribers

Pinned Message
Click Here 🙏 For CA Foundation -Maths, Stats & L...

CA Foundation Paper 3 Business Maths Last time Revision Notes :

Topic:- Time Value of Money

By Gurukul Institute

Click Here to Download Complete Paper 3 Notes, Lectures etc.

t.me/canotes_foundation

Join us ^{SOON}

t.me/cafoundation_p3

12,376 1:16 PM

Maths scanner .pdf
1.9 MB PDF

CA Foundation Paper 3 Business Maths Complete Scanner :

By @canotes_foundation

Click Here to Download Complete Paper 3 Notes, Lectures etc.

t.me/canotes_foundation

**To Join P3 : Maths, Stats
Search @cafoundation_p3
In Telegram App**



**To Join P4 : Eco & BCK
Search @cafoundation_p4
In Telegram App**



P2 : Law & BCR

CA Foundation
Eco & BCK
9299 subscribers

P4 Eco & BCK : CA...
9299 subscribers

Pinned Message
Click Here 🙏 For CA Foundation - Eco & BCK Note...

10,381 11:05 PM

P4 Eco & BCK : CA Foundation

CA Foundation Economics & BCK ICAI Materials MTP, Past Exam Papers :

MOCK TEST PAPER

Aug 2018:
Q- https://t.me/cafoundation_p4/2008
A- https://t.me/cafoundation_p4/2009

Oct 2018:
Q- https://t.me/cafoundation_p4/2010
A- https://t.me/cafoundation_p4/2011

March 2019:
Q- https://t.me/cafoundation_p4/545
A- https://t.me/cafoundation_p4/546

April 2019:
Q- https://t.me/cafoundation_p4/552
A- https://t.me/cafoundation_p4/553

Oct 2019:
Q- https://t.me/cafoundation_p4/578
A- https://t.me/cafoundation_p4/579

May 2020:
Q- https://t.me/cafoundation_p4/1051
A- https://t.me/cafoundation_p4/1076

53. If $P + Q$ means P is the mother of Q, $P \div Q$ means P is the father of Q, $P - Q$ means P is the sister of Q. Then which of the following relationship shows that M is the daughter of R?
- (a) $R \div M + N$ (b) $R + N \div M$
(c) $R - M \div N$ (d) None of these
54. Five students A, B, C, D and E are standing in a row. D is on the right of E, B is on the left of E but on the right of A. D is next to C on his left. The student in middle is
- (a) B (b) A
(c) E (d) C
55. Six flats on a floor in two rows facing North and South are allotted to P, Q, R, S, T and U. If Q gets a North facing flat and is not next to S and U get diagonally opposite flat. R next to U gets a South facing flat and T gets a North facing flat. Whose flat is between Q and S?
- (a) P (b) T
(c) R (d) U
56. Eight persons A, B, C, D, E, F, G and H are sitting in a line. E sits second right to D. H sits fourth left to D. C and F are immediate neighbors, but C is not immediate neighbor of A. G is not neighbor of E. Only two persons sit between A and E. The persons on left and right end respectively are
- (a) G and B (b) G and E
(c) H and E (d) B and E
57. Six children A, B, C, D, E and F are sitting in a row. B is between F and D. E is between A and C. However, A does not sit next to F or D. C does not sit next to D. Then, F is sitting between.
- (a) B and D (b) B and C
(c) E and C (d) None of the above
58. Directions (27-29) : Each of the following question contains two statements followed by two conclusions number I and II. You have to decide which of the given conclusions definitely follows from the given statements.
- Statements:**
1. Some phones are watches
 2. All watches are guns
- Conclusions :**
- I. All guns are watches
 - II. Some guns are phones.
- (a) Only conclusion I follows (b) Only conclusion II follows
(c) Neither I nor II follows (d) Either I or II follows
59. **Statements:**
1. Some books are pens
 2. No pen is pencil
- Conclusions :**
- I. Some books are pencil
 - II. No book is pencil
- (a) Only conclusion I follows (b) Only conclusion II follows
(c) Either I or II follows (d) Neither I nor II follows
60. **Statements:**
1. Some players are singers
 2. All singers are tall
- Conclusions :**
- I. Some players are tall
 - II. All players are tall
- (a) Only conclusion I follows (b) Only conclusion II follows
(c) Either I or II follows (d) Neither I nor II follows

61. The following frequency distribution

X:	12	17	24	36	45
Y:	2	5	3	8	9

is classified as:

- (a) Discrete distribution (b) Continuous distribution
(c) Cumulative frequency distribution (d) None of the above

62. Histogram is useful to determine graphically the value of

- (a) Arithmetic mean (b) Mode
(c) Median (d) None of the above

63. Data are said to be _____ if the investigator himself is responsible for the collection of the data.

- (a) Primary data (b) Secondary Data
(c) Mixed of primary and secondary data (d) None of the above

64. A suitable graph for representing the portioning of total into sub parts in statistics is

- (a) A pictograph (b) A Pie Chart
(c) An ogive (d) Histogram

65. The number of times a particular items occurs in a class interval is called its

- (a) Mean (b) Cumulative frequency
(c) Frequency (d) None of the above

66. An ogive is a graphical representation of

- (a) Cumulative frequency distribution of (b) Ungrouped data
(c) A frequency distribution (d) None of the above

67. Class 0–10 10–20 20–30 30–40 40–50
Frequency 4 6 20 8 3

For the class 20-30, cumulative frequency is

- (a) 26 (b) 10
(c) 41 (d) 30

68. If the mean of the following distribution is 6 then the value of P is

X:	2	4	6	10	P + 5
F	3	2	3	1	2

- (a) 7 (b) 5
(c) 11 (d) 8

69. If total frequencies of three series are 50,60 and 90 and their means are 12, 15 and 20 respectively, then the mean of their composite series is

- (a) 15.5 (b) 16
(c) 14.5 (d) 16.5

70. If the variance of 5, 7, 9 and 11 is 4, then the coefficient of variation is

- (a) 25 (b) 15
(c) 17 (d) 19

71. Standard Deviation for the marks obtained by a student in monthly test in mathematic (out of 50) as 30, 35, 25, 20, 15 is

- (a) 25 (b) 50
(c) $\sqrt{50}$ (d) $\sqrt{30}$

72. If in a moderately skewed distribution the values of mode and mean are 32.1 and 35.4 respectively, then the value of the median is
(a) 33.3 (b) 34
(c) 34.3 (d) 33
73. If the standard deviation for the marks obtained by a student in monthly test is 36, then the variance is
(a) 36 (b) 6
(c) 1296 (d) None of the above
74. The median of the data 5, 6, 7, 7, 8, 9, 10, 11, 11, 12, 15, 18, 18 and 19 is
(a) 10 (b) 10.5
(c) 11.5 (d) 11
75. The means of 20 items of a data is 5 and if each item is multiplied by 3, then the new mean will be
(a) 20 (b) 5
(c) 15 (d) 10
76. The Geometric mean of 3, 6, 24 and 48 is
(a) 6 (b) 8
(c) 12 (d) 24
77. The Algebraic sum of the deviation of a set of values from their arithmetic mean is
(a) >0 (b) $=0$
(c) <0 (d) None of the above
78. Which one of the following is not a central tendency?
(a) Mean Deviation (b) Arithmetic mean
(c) Median (d) Mode
79. If the range of a set of values is 65 and maximum value in the set is 83, then the minimum value in the set is
(a) 74 (b) 9
(c) 18 (d) None of the above
80. The two lines of regression intersect at the point:
(a) Mean (b) Median
(c) Mode (d) None of the these
81. If the two lines of regression are $x + 2y - 5 = 0$ and $2x + 3y - 8 = 0$, then the regression line of y on x is
(a) $x + 2y - 5 = 0$ (b) $x + 2y = 0$
(c) $2x + 3y - 8 = 0$ (d) $2x + 3y = 0$
82. If the two regression lines are $3X = Y$ and $8Y = 6X$, then the value of correlation coefficient is
(a) -0.5 (b) 0.5
(c) 0.75 (d) -0.80
83. The regression coefficient is independent of the change of
(a) Origin (b) Scale
(c) Scale and origin both (d) None of these
84. If the correlation coefficient between the variables X and Y is 0.5 , then the correlation coefficient between the variables $2x - 4$ and $3 - 2y$ is
(a) 0.5 (b) 1
(c) -0.5 (d) 0

85. If $P(A) = \frac{1}{2}$, $P(B) = \frac{1}{3}$, and $P(A \cap B) = \frac{1}{4}$ then $P(A \cup B)$ is equal to
- (a) $\frac{11}{12}$ (b) $\frac{07}{12}$
 (c) $\frac{10}{12}$ (d) $\frac{1}{6}$
86. Two different dice are thrown simultaneously, then the probability, that the sum of two numbers appearing on the top of dice is 9 is
- (a) $\frac{1}{9}$ (b) $\frac{8}{9}$
 (c) $\frac{7}{9}$ (d) None of the above
87. If $P(A \cup B) = 0.8$ and $P(A \cap B) = 0.3$ then $P(\bar{A}) + P(\bar{B})$ is equal to:
- (a) 0.3 (b) 0.5
 (c) 0.9 (d) 0.7
88. The probability that a leap year has 53 Wednesday is
- (a) $\frac{2}{7}$ (b) $\frac{3}{5}$
 (c) $\frac{1}{7}$ (d) $\frac{2}{3}$
89. A coin is tossed six times, then the probability of obtaining heads and tails alternatively is
- (a) $\frac{1}{2}$ (b) $\frac{1}{32}$
 (c) $\frac{1}{64}$ (d) $\frac{1}{16}$
90. Ram is known to hit a target in 2 out of 3 shots where as Shyam is known to hit the same target in 5 out of 11 shots. What is the probability that the target would be hit if they both try?
- (a) $\frac{9}{11}$ (b) $\frac{6}{11}$
 (c) $\frac{10}{33}$ (d) $\frac{3}{11}$
91. For a Poisson variate X, $P(X=2) = 3P(X=4)$, then the standard deviation of X is
- (a) 2 (b) 3
 (c) 4 (d) $\sqrt{2}$
92. The mean of the Binomial distribution $B\left(4, \frac{1}{3}\right)$ is equal to
- (a) $\frac{3}{5}$ (b) $\frac{4}{3}$
 (c) $\frac{8}{3}$ (d) $\frac{3}{4}$
93. If for a normal distribution $Q_1 = 54.52$ and $Q_3 = 78.86$, then the median of the distribution is
- (a) 12.17 (b) 66.69
 (c) 39.43 (d) None of these
94. What is the mean of X having the following density function?
- $$f(x) = \frac{1}{4\sqrt{2\pi}} e^{-\frac{(x-10)^2}{32}} \text{ for } -\infty < x < \infty$$
- (a) 4 (b) 10
 (c) 40 (d) None of the above

95. The probability that a student is not a swimmer is $\frac{1}{5}$, then the probability that out of five students four are swimmer is
- (a) $\left(\frac{4}{5}\right)^4 \left(\frac{1}{5}\right)$ (b) ${}^5C_1 \left(\frac{1}{5}\right)^4 \left(\frac{4}{5}\right)$
(c) ${}^5C_4 \left(\frac{4}{5}\right)^4 \left(\frac{1}{5}\right)$ (d) None of the above
96. Which of the following statement is true?
- (a) Paache's Index Number is based on the base year quantity
(b) Fisher's Index Number is the Arithmetic Mean of Laspeyre's Index Number and Paache's Index Numbers
(c) Arithmetic Mean is the most appropriate average for constructing the index number
(d) Fisher's Index Number is an Ideal Index Number
97. If Laspeyre's Index Number is 250 and Paache's Index Number is 160. then Fisher's index number is:
- (a) 40000 (b) $\frac{25}{16}$
(c) 200 (d) $\frac{16}{25}$
98. The simple average method is used to calculate:
- (a) Trend Variation (b) Cyclical Variation
(c) Seasonal Variation (d) Irregular Variation
99. If $\sum P_0Q_0 = 240$, $\sum P_1Q_1 = 480$, $\sum P_1Q_0 = 600$ and $\sum P_0Q_1 = 192$, then Laspeyre's index number is:
- (a) 250 (b) 300
(c) 350 (d) 200
100. The Sale of Cold Drink would go up in summers and go down in the winters is an example of:
- (a) Trend Variation (b) Cyclical Variation
(c) Seasonal Variation (d) Irregular Variation

Answer Key
BMRS

1	B	21	A	41	B	61	A	81	A
2	C	22	B	42	D	62	B	82	B
3	A	23	B	43	D	63	A	83	A
4	C	24	B	44	C	64	B	84	C
5	A	25	C	45	A	65	C	85	B
6	A	26	A	46	B	66	A	86	A
7	C	27	C	47	D	67	D	87	C
8	A	28	B	48	D	68	A	88	A
9	B	29	B	49	A	69	D	89	C
10	B	30	B	50	D	70	A	90	A
11	A	31	C	51	B	71	C	91	D
12	B	32	B	52	B	72	C	92	B
13	D	33	B	53	B	73	C	93	B
14	B	34	B	54	C	74	B	94	B
15	D	35	A	55	B	75	C	95	C
16	D	36	C	56	B	76	C	96	D
17	B	37	D	57	B	77	B	97	C
18	D	38	B	58	B	78	A	98	C
19	B	39	A	59	C	79	C	99	A
20	C	40	B	60	A	80	A	100	C