TOP 200 QUESTIONS : PART – 1

QUANTITATIVE APTITUDE

BY : SHIVANI SHARMA

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Que. The variance of standard normal distribution is

(a) 1

(b) 0

(c) σ^2

(d) 0

Ans. a

USE MY CODE : SS12

Que. A bag contains coins of denominations 1 rupee , 2 rupee and 5 rupees . Their numbers are in the ratio 4:3:2 .If bag has total of Rs. 1800 then find the number of 2 rupee coins ?

(a) 270

(b) 230

(c) 180

(d) 210

Ans. a

Que . In which of the following there is no impact of presence of extreme observations?

(A) Range

(B) Quartile deviation

(C) Standard deviation

(D) Variance

ANS : B

Que. A box contains ₹ 56 in the form of coins of one rupee, 50 paise and 25 paise. The number of 50 paise coin is double the number of 25 paise coins and four times the numbers of one rupee coins. The numbers of 50 paise coins in the box is

(a) 64

(b) 32

(c) 16

(d) 14

Ans. a

Que. Annanya is mother of Satya and Shyam is the son of Bhima, Shiva is brother of Annanya. If Satya is sister of Shyam, How Bhima is related to Shiva?

(a) Son

(b) Cousin

(c) Brother-in-law

(d) Son-in-law

Ans. c

Que. A box contains 276 coins of 5 rupees, 2 rupees and 1 rupee. The value of each kind of coins are in the ratio 2 : 3 : 5 respectively. The number of 2 rupees coin is

(a) 52

(b) 60

(c) 76

(d) 85

Ans. b

Que . If each observation of a set is divided by 10, then the Standard Deviation of the new observation is:

(A) 1/100th of Standard Deviation of original observation.

(B) 1/10th of Standard Deviation of original observation.

(C) 100 times of Standard Deviation of original observation.

(D) 10 times of Standard Deviation of original observation.

ANS : B

Que . The ratio Compounded of 4 : 5 and sub-duplicate of "a": 9 is 8 : 15. Then Value of "a" is:

(a) 2

(b) 3

(c) 4

(d) 5

Ans : c

Que $\frac{3x-2}{5x+6}$ **is the duplicate ratio of 2/3 then find the value of x :**

(a) 2

(b) 6

(c) 5

(d) 9

Ans : b

Que . What is the coefficient of range for the observations 20, 28, 32, 41, 48, 60 ?

(A) 20

(B) 50

(C) 40

(D) 200

ANS : B

Que. The students in three classes are in the ratio 2 : 3 : 5. If 40 students are increased in each class the ratio changes to 4 : 5 : 7. Originally the total number of students was

(a) 180

(b) 400

(c) 100

(d) 200

Ans. d

Que. If E = 5 and READ is coded as 7, then what is the code of “DEAR”?

(a) 6

(b) 7

(c) 8

(d) 9

Ans. b

Que. The third proportional between $(a^2 - b^2)$ and $(a + b)^2$ is :

(a) $\frac{a+b}{a-b}$

(b) $\frac{a-b}{a+b}$

(c) $\frac{(a-b)^2}{a+b}$

(d) $\frac{(a+b)^3}{a-b}$

Ans. d

Que 7. The Standard Deviation of the series 3, 6, 9, 12, 15 is:

(A) 6.36

(B) 4.24

(C) 4.12

(D) 3.28

ANS : B

Que. A man is facing north. He turns 45 degree in the clockwise direction and then another 180 degree in the same direction and then 45 degree in the anticlockwise direction. Find which direction he is facing now?

(a) North

(b) East

(c) West

(d) South

Ans. d

Que. If $x = 3^{1/3} + 3^{-1/3}$, then find the value of $3x^3 - 9x$

(a) 3

(b) 9

(c) 12

(d) 10

Ans. d

USE MY CODE : SS12

Que. If n = m! where ('m' is a positive integer > 2) then the value of :

$$\frac{1}{\log_2 n} + \frac{1}{\log_3 n} + \frac{1}{\log_4 n} + \ldots\ldots\ldots + \frac{1}{\log_m n}$$

$\log_b a = 1 / \log_a b$

$\log_a a = 1$

(a) 1

(b) 0

(c) -1

(d) 2

n! = n (n-1) (n-2) 3.2.1

Ans. a

USE MY CODE : SS12

Que Which of the following pairs of events are mutually exclusive ?

(A) A: Archna was born in India.

B: She is a fine lawyer.

(B) A: The student studies in a school.

B: He studies Geography.

(C) A: Sita is 16 years old.

B: She is a good folk dancer.

(D) A: Imran is under 15 years of age.

B: He is a voter of Delhi.

ANS : D

Que. If xy + yz + zx = -1 then the value of $\left(\frac{x+y}{1+xy}+\frac{z+y}{1+zy}+\frac{x+z}{1+zx}\right)$ is:

(a) xyz

(b) -1 / yz

(c) 1 / xyz

(d) 1 / x + y + z

Ans. c

Que. Which of the following is uni-parametric distribution

(a) Poisson

(b) Normal

(c) Binomial

(d) Hyper geometric

Ans. a

Que. Raju Walked from A to B in the east 10 m, then he turns towards right and walked 3 m. Again, he turned to the right and walked 14 m. how far is he from point A?

(a) 4 m

(b) 5 m

(c) 12 m

(d) 13 m

Ans. b

Que. If $\sqrt[3]{a}+3\sqrt{b}+3\sqrt{c}=0$ then the value of $\left(\frac{a+b+c}{3}\right)^3$

(a) abc

(b) 9abc

(c) 1/abc

(d) 1/9abc

Ans. a

Que . Which one of the following statement is correct regarding limit of the two regression coefficients?

(A) Must be positive.

(B) No limit.

(C) One positive and the other negative.

(D) Product of the regression coefficients must be numerically less than unity.

ANS : D

Que. The value $\frac{6^{n+4}+3^{n+3}\times 2^{n+3}}{5\times 6^{n}+6^{n}}$ is

(a) 232

(b) 242

(c) 252

(d) 262

Ans. c

Que. The suitable formula for computing the number of class intervals is:

(a) 3.322logN

(b) 0.322logN

(c) 1+3.322logN

(d) 1−3.322logN

C

Que. In a certain code TELEPHONE is written as ENOHPELET. How is ALIGATOR written in that code?

(a) ROTAGILA

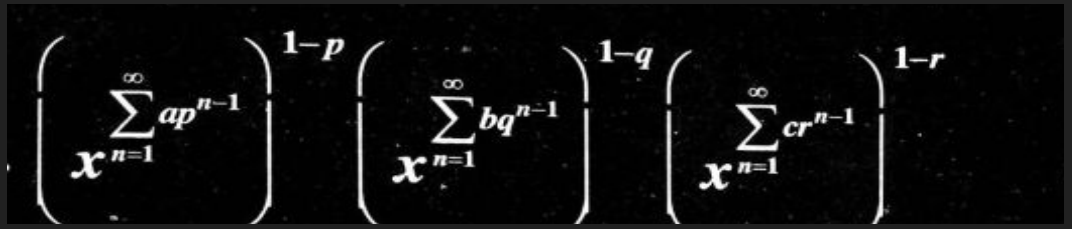
(b) ROTAGAIL

(c) ROTAGILE

(d) ROTEGILA

Ans. a

Que.



(a) $x^{-(ap+bq+cr)}$

(b) x^{a+b+c}

(c) $x^{(ap+bq+cr)}$

(d) x^{abc}

Ans. b

Que . The Secondary data is collected by:

(A) Observation method.

(B) International source like World Bank.

(C) Interview method.

(D) Mailed questionnaire method.

ANS : B

If $\log_x Y = 100$ and $\log_2 x = 10$, then the value of Y

is

a) 2^{10}

b) 2^{100}

c) 2^{1000}

d) $2^{10,000}$

Ans : c

Que. The mean and variance are equal for which of the following:

(a) Poisson Distribution

(b) Normal Distribution

(c) Gaussian Distribution

d) None of these

Ans. a

Que. If $\log_a (ab) = x$, then $\log_b (ab)$ is

(a) 1/x

(b) x / 1 + x

(c) x / x - 1

(d) None of these

Ans : c

Que. Pointing towards a girl in the photograph, Pooja said. "She is the mother of Janaki whose father is my son." How is Pooja related to the girl in the photograph?

(a) Mother

(b) Cousin

(c) Aunt

(d) Mother-in-Law

Ans. d

Que. The collected information on which of the following characteristic do not form data?

(a) The number of files audited are 'less than 6', 'between 5 and 10' and 'more than 9'

(b) The number of files audited are 'very less', 'moderate' and 'very large'

(c) The number of audits in a file

(d) The number of auditors who audited a file

Ans. b

Que. If the ratio of the roots of the Equation $4x^2 - 6x + p = 0$ is 1 : 2 then the value of p is

a. 1

b. 2

c. -2

d. -1

ANS : b

Que Exit polls are an example of which method of collecting data?

(A) Investigation

(B) Random sampling

(C) Census

(D) Quota sampling

ANS : B

Que. If one root is half of the other of a quadratic equation and the difference in roots is a, then the equation is

a. $x^2 + ax + 2a^2 = 0$

b. $x^2 - 3ax - 2a^2 = 0$

c. $x^2 - 3ax + 2a^2 = 0$

d. $x^2 + 3ax - 2a^2 = 0$

Ans : c

Que. What will be the value of k, if the roots of the equation $(k - 4)x^2 - 2kx + (k + 5) = 0$ are equal?

a. 18

b. 20

c. 19

d. 21

Ans : b

Que. Which of the following is property of normal distribution?

(a) There are two points of inflexion.

(b) Mean, median and mode coincide for normal distribution

(c) Skewness is zero

(d) All the above

Ans. d

Que. If the sides of an equilateral triangle are shortened by 3 units, 4 units and 5 units respectively and a right triangle is formed, then the side of an equilateral triangle is

a. 6 units

b. 7 units

c. 8 units

d. 10 units

Ans : c

Que. The Ogive can be used for making

(A) medium term projection

(B) short term projection

(C) long term projection

(D) group frequency distribution

ANS : B

Que. If p & q are the roots of the Equation $x^2 - bx + C = 0$, then what is the Equation whose roots are $(pq + p + q)$ and $(pq - p - q)$?

a. $x^2 - 2cx + c^2 - b^2 = 0$

b. $x^2 - 2bx + c^2 + b^2 = 0$

c. $8cx^2 - 2(b+c)x + c^2 = 0$

d. $x^2 + 2bx - (c^2 - b^2) = 0$

Ans : a

Que. Roots of equation $2x^2 + 3x + 7 = 0$ are α and β. The value of $\alpha\beta^{-1} + \beta\alpha^{-1}$ is

a. 2

b. 3/7

c. 7/2

d. -19/14

Ans : d

Que. If one root of the equation $x^2 - 3x + k = 0$ is 2, then value of k will be:

a. -10

b. 0

c. 2

d. 10

ANS : c

Que . Numerical data presented in descriptive form are called :

(A) Tabular presentation

(B) Classified presentation

(C) Textual presentation

(D) Graphical presentation

ANS : C

Que. If the square of a number exceeds twice of the number by 15, then number that satisfies the condition is

a. −5

b. 3

c. 5

d. 15

Ans : c

Que. In a multiple choice question paper consisting of 100 questions of 1 mark each, a candidate gets 60% marks. If the candidate attempted all questions and there was a penalty of 0.25 marks for wrong answer, the difference between number of right answers and wrong answers is:

a. 32

b. 36

c. 40

d. 38

ANS : b

Que . The distribution of commuters coming to a Metro station from early morning hours to peak morning hours follows which type of frequency curve?

(A) J-shaped curve

(B) Bell shaped curve

(C) U-shaped curve

(D) Mixed curve

ANS : A

Que. The cost of 2 oranges and 3 apples is ₹ 28. If the cost of an apple is doubled then the cost of 3 oranges and 5 apples is ₹ 75. The original cost of 7 oranges and 4 apples (in (₹)) is

a. 59

b. 47

c. 71

d. 63

ANS : a

Que. Find the range of real values of x satisfying the inequalities $3x - 2 > 7$ and $4x - 13 > 15$

a. $x > 3$

b. $x > 7$

c. $x < 7$

d. $x < 3$

b

Que . What is the range of a data set?

(A) The difference between the mean and median of the data set

(B) The difference between the highest and lowest values in the data set

(C) The number of data points in the data set

(D) The standard deviation of the data set

ANS : B

Que. Solve for x of the Inequalities $2 \leq \frac{3x-2}{5} \leq 4$ where $x - N$

a. {5, 6, 7}

b. {3, 4, 5, 6}

c. {4, 5, 6}

d. None of these

d

Que. A labour can be paid under two methods as given below

(i) ₹ 600 fixed and ₹ 50 per hour

(ii) ₹ 170 per hour

If particular job work takes x hours to complete , find out the value of x for which the method (ii) gives the labour better wages

a. x = 6

b. x = 4

c. x = 3

d. x = 2

a

Que Series in which frequencies are continuously added corresponding to each class interval in the series:

(A) Cumulative frequency series

(B) Frequency

(C) Deviation

(D) Mid value

ANS : A

Que. Find out the wrong number. 10, 14, 28, 32, 64, 68, 132

(a) 28

(b) 32

(c) 64

(d) 132

Ans. d

Que . What is the purpose of stratified random sampling?

(A) To divide the population into subgroups and then randomly sample from each subgroup

(B) To ensure that every individual in the population has an equal chance of being selected.

(C) To select individuals based on their availability and convenience.

(D) To select a fixed percentage of the population without any specific criteria.

ANS : A

Que. Kamal starts from point 'O' and moved towards North 2 km, then he turns right and moved 4 km again he turned towards North and walked up to 1 km reached at A. Find the distance between OA.

(a) 6

(b) 7

(c) 4

(d) 5

Ans. d

Que. A group of seven singers, facing the audience, are standing in a line on the stage as follow.

(i) D is the right of C.

(ii) F is stand beside G.

(iii) B is to the left of F.

(iv) C and B have one person between them.

(v) E is to the left of A

(Vi) A and D have one person between them.

Who is sitting on the second from extreme left?

(a) A

(b) F

(c) G

(d) E

Ans. a

Four ladies A, B, C and D and four gentlemen E, F, G and H are sitting in circle around a table facing each other

(i) No two ladies or gentlemen are sitting side by side

(ii) C, who is sitting between G and E, facing D

(iii) F is between D and A and facing G

(iv) H is to the right of B

Que. Who is immediate neighbor of B ?

(a) G and H

(b) E and F

(c) A and B

Ans. a

Four ladies A, B, C and D and four gentlemen E, F, G and H are sitting in circle around a table facing each other

(i) No two ladies or gentlemen are sitting side by side

(ii) C, who is sitting between G and E, facing D

(iii) F is between D and A and facing G

(iv) H is to the right of B

Que. Who is sitting left of A?

(a) F

(b) E

(c) C

(d) D

Ans. a

Que. In a line P is sitting 13th from left. Q is sitting 24th from the right and 3rd left from P. How many people are sitting are in the line?

(a) 34

(b) 31

(c) 32

(d) 33

Ans. d

Que. Following questions are based on the information given below

(i) 'PxQ' means 'P is the father of Q'.

(ii) 'P−Q' means 'P is the sister of Q'.

(iii) 'P+Q' means 'P is the mother of Q'.

(iv) 'P÷Q' means 'P is the brother of Q'.

In the expression B + D x M ÷ N, how M is related to B

(a) Granddaughter

(b) Son

(c) Grandson

(d) Granddaughter or Grandson

Ans. c

TOP 200 QUESTIONS : PART – 2

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Que. If x is a binomial variable with parameters n and p , then x can assume

(a) any value between 0 and n

(b) any value between 0 and n , both inclusive

(c) any whole number between 0 and n , both inclusive

(d) any number between 0 and infinity

Ans. c

Que. The probability of success of three students in CA Foundation examination are $\frac{1}{5}$, $\frac{1}{4}$, $\frac{1}{3}$ respectively . Find the probability that at least two students will get success

(a) 3/4

(b) 2/5

(c) $\frac{1}{6}$

(d) 1/5

Ans. c

Que. How many four digit odd numbers can be formed with digits 0 , 1, 2 ,3 , 4 ,7 and 8 ?

(a) 150

(b) 300

(c)120

(d) 210

Ans. b

Que. In how many ways can the crew of an eight seated boat be arranged so that 3 of crew can row only on a stroke side and 2 row on the other side ?

(a) 1,728

(b) 256

(c)164

(d) 126

Ans. a

Que. Five persons are living in a five story building . Mr Mahesh lives in a flat above Mr Ashok, Mr Lokesh lives in a a flat below Mr Gaurav and Mr Rakesh lives in a flat below Mr Lokesh . Who possibly lives in ground floor

(a) Mr Rakesh

(b) Mr Lokesh

(c)Mr Mahesh

(d) Mr Gaurav

Ans. a

Que. Consider the relations : Raja is husband of Devi ; Karan is the father of Gopal ; Arjun is the son of Shoha ; Ashok is brother of Shoha ; Arjun's father Karan is the son in law of Devi . How is Raja related to Ashok ?

(a) father

(b) uncle

(c)son in law

(d) Grand Father

Ans. a

Que. If X is brother of son of Y's son , then how is X related to Y ?

(a) brother

(b) cousin

(c)Grandson

(d) son

Ans. c

Que. If three coins are tossed simultaneously , what is the probability of getting two heads together ?

(a) 1/4

(b) 1/8

(c)5/8

(d) 3/8

Ans. a

Que. The Simple interest on a certain sum of money is 1/25 times of principal , the rate of interest when rate of interest and times are equal is

(a) 2%

(b) 3%

(c) 4%

(d) None of these

Ans. a

Que. A person gave a loan of Rs 200 to Mr X and recovered it at the rate of Rs 35 for eight months , commencing from the end of first of first month . What is the effective rate of simple interest

(a) 10%

(b) 20%

(c) 40%

(d) 60%

Ans. d

Que. Given the relation R = {(1, 2), (2, 3)} on the set A = {1, 2, 3}, the minimum number of ordered parts which when added to R make it Equivalence relation is:

a. 5

b. 6

c. 7

d. 8

Que. If $f:R \to R$, $f(x) = x + 1$
$g: R \to R$, $g(x) = x^2 + 1$ then $fog\ (-2)$ equals to

a. 6

b. 5

c. -2

d. None of these

a

Que. In a certain code 'SOUTHERN' is written as 'UVPTMQDG'. How is 'MARIGOLD' written in that code?

(a) JSBCNFKS

(b) JSBNHPME

(c) JSBNCKNF

(d) NBSKCJNF

Ans. c

Que. When a person faces north and walks 25 m right, and he turns left and walks 20 m and again he turns right and walks 25 m and turns right 25 m and turns right and walks 40 m in which direction is he now from his starting point.

(a) North-West

(b) North-East

(c) South-East

(d) South-West

Ans. c

Que. A debt of Rs 5000 with interest at the rate of 8% compounded quarterly is to be discharged by 8 equal quarterly payments , the first payment being due today . Find the size of each payment

(a) 573.86

(b) 669.17

(c) 399.26

(d) None of these

Ans. b

Que. Mr A borrows Rs 5,00,000 to buy a house . If he pays equal installments for 20 years and 10 % interest on outstanding balance what will be the equal annual instalment

(a) 58239.84

(b) 4445.41

(c) 68729.84

(d) None of these

Ans. d

Que. Rajesh deposit Rs 3,000 at the start of each quarter in his saving account . If the account earns interest of 5.75% per annum compounded quarterly , how much money will he have at the end of 4 years ? $(1.014375)^{16} = 1.25654$

(a) 54308.6

(b) 58553.6

(c) 68353.6

(d) 63624.4

Ans. a

Que. Which of the following is a correct statement.

(a) ${}^{n}P_{n} = {}^{n}P_{n-1}$

(b) ${}^{n}P_{n} = {}^{2n}P_{n-2}$

(c) ${}^{n}P_{n} = {}^{3n}P_{n-3}$

(d) ${}^{n}P_{n} = {}^{n(n-1)}P_{n-1}$

a

Que. In how many different ways can the letters of the word CORPORATION be arranged so that vowels always come together ?

(a) 810

(b) 1440

(c) 25200

(d) 50400

d

Que. Eight Chairs are numbered from 1 to 8. Two women and three men are to be seated by allowing one chair for each. First, the women choose the chairs from the chairs numbered 1 to 4 and then men select the chairs from the remaining.

The number of possible arrangement is:

(a) 120

(b) 288

(c) 32

(d) 1440

d

Que . Time Reversal test is satisfied by:

(A) Paasche's method but not Laspeyre's method

(B) Laspeyre's method but not Fisher's method

(C) Fisher's method

(D) Laspeyre's method and Fisher's method

ANS : C

Que . The value index is equal to :

(A) The total sum of the values of a given year plus the sum of the values of the base year.

(B) The total sum of the values of a given year multiplied by the sum of the values of the base year.

(C) The total sum of the values of a given year divided by the sum of the values of the base year.

(D) The total sum of the values of a given year minus the sum of the values of the base year.

ANS : C

Que . Which one of the following test of adequacy is concerned with the measurement of price changes over a period of years, when it is desirable to shift the base ?

(A) Time Reversal test

(B) Unit test

(C) Circular test

(D) Factor Reversal test

ANS : C

USE MY CODE : SS12

Que . The Earning Per Share (EPS) of company for five years is given below:

Year	2019	2020	2021	2022	2023
EPS	40	25	40	60	90

Calculate the Compounded Annual Growth Rate (CAGR) of EPS.

(A) 23.47%

(B) 24.47%

(C) 22.47%

(D) 21.47%

ANS : C

Que . A roadside tea stall merchant borrows ₹ 9,000 at 2.76% Simple Interest per annum. The principal and the interest are to be paid in 10 monthly instalments. If each instalment is double than the preceding one, find the value of the last instalment.

(A) ₹ 4,608

(B) ₹ 1,024

(C) ₹ 9,207

(D) ₹ 4,096

ANS : A

USE MY CODE : SS12

Que . Let A = {1, 2, 3} and consider the relation R = {(1, 1), (2, 2), (3, 3), (1, 2), (2, 3), (1, 3)}, then R is

(A) Reflexive but not symmetric

(B) Reflexive but not transitive

(C) Symmetric and Transitive

(D) Neither symmetric nor transitive

ANS : A

Que . If for an infinite geometric progression, first term is 'a', common ratio is 'r', the sum is 8 and the second term is 7/8, then :

(A) a = 4&r = 7/16

(B) a = 3&r = 7/24

(C) a = 7&r = 1/8

(D) a = 2&r = 7/32

ANS : C

Que . The numbers x, 8, y are in G.P. and the numbers x, y, −8 are in A.P. The values of x and y respectively shall be :

(A) 4, 16

(B) 16, 4

(C) 4, 8

(D) 8, 4

ANS : B

Que . If fourth term of A.P. series is zero, then what is the ratio of twenty-fifth term to eleventh term ?

(A) 4

(B) 5

(C) 3

(D) 2

ANS : C

USE MY CODE : SS12

Que . Find the odd man out from the following series: 7, 23, 47, 119, 171, 287

(A) 171

(B) 119

(C) 287

(D) 7

ANS : A

USE MY CODE : SS12

Que . AZ, GT, MN,....., YB, EV. The value at blank space (.....) will be:

(A) SH

(C) SK

(B) JH

(D) TS

ANS : A

USE MY CODE : SS12

Que . One morning after sunrise, A and B were talking to each other face to face very closely at a crossing point. If B's shadow was exactly to the right of A, in which direction B was facing?

(A) West

(B) East

(C) North

(D) South

ANS : C

Que . During an interview, seven applicants sitting in a row are awaiting their turn. Chandresh is sitting left to Kuldeep but on the right to Diksha, Reshma is sitting right to Kuldeep, Priyanka is sitting right to Gayatri but left to Diksha. Himani is sitting left to Gayatri. The person sitting in the middle must be :

(A) Diksha

(B) Chandresh

(C) Gayatri

(D) Priyanka

ANS : A

Que . A family consists of six members P, Q, R, S, T & U. There are two married couples. Q is a doctor and father of T; U is grandfather of R and is a contractor; S is grandmother of T and is a house-wife. There is one doctor, one contractor, one Professor, one house-wife and two students in the family. Find who is the husband of P.

(A) S

(B) T

(C) R

(D) Q

ANS : D

Que . The mean of a group X is 70 and the mean of group Y is 85. If the number of observations in group Y is five times that of group X, then the combined mean of both the groups is:

(A) 80

(B) 75

(C) 77.5

(D) 82.5

ANS : D

USE MY CODE : SS12

Que . In how many ways can the letters of the word "ALGEBRA " be arranged without changing the relative order of the vowels ?

(A) 82

(B) 70

(C) 72

(D) None of these

ANS : c

USE MY CODE : SS12

Que . Word REGULATION is arranged without repetition . Find the probability that the vowels come at odd place

(A) 1/252

(B) 1/144

(C) 144/252

(D) None of these

ANS : a

USE MY CODE : SS12

Que . Shyam , Satish , Amar , Pavan are playing cards . Amar is to the right of Satish , who is to the right of Shyam . Who is right of Amar ?

(A) Satish

(B) Amar

(C) Pavan

(D) Shyam

ANS : c

USE MY CODE : SS12

Que . Pointing to lady , a man said " The son of her only brother is brother of my wife " . How is the lady related to man

(A) Mother in law

(B) Sister of father in law

(C) Mother of father in law

(D) Cousin

ANS : b

USE MY CODE : SS12

Que . Pointing to lady , a man said " The son of her only brother is brother of my wife " . How is the lady related to man

(A) Mother in law

(B) Sister of father in law

(C) Mother of father in law

(D) Cousin

ANS : b

USE MY CODE : SS12

Que . A letter is taken out at random from the word RANGE and another is taken out from the word PAGE . The probability that they are the same letters is

(A) 1/20

(B) 3/20

(C) 3/5

(D) 3/4

ANS : b

USE MY CODE : SS12

Que . There are two boxes containing 5 white and 6 blue balls and 3 white and 7 blue balls respectively . If one of the boxes is selected at random and a ball is drawn from it , then the probability that the ball is blue is

(A) 115/227

(B) 83/250

(C) 137/220

(D) 127/250

ANS : c

USE MY CODE : SS12

Que . It is the poisson Variate such that $P(X=1) = 0.7$, $P(x=2) = 0.3$, then $P(x=0) =$

(A) $e^{6/7}$

(B) $e^{-6/7}$

(C) $e^{-2/3}$

(D) $e^{-1/3}$

ANS : b

USE MY CODE : SS12

Que . In a class of 100 students , the mean marks was 50 with standard deviation 14.9 . Assuming the distribution of marks to be normal , find the number of students who obtained more than 70% marks

(at Z = 1.34 , area = 0.4099)

(A) 9

(B) 10

(C) 8

(D) 7

ANS : a

USE MY CODE : SS12

Que . The incidence of skin diseases in a chemical plant occurs in such a way that its workers have 20% chance of suffering from it. What is the probability that 6 workers 4 or more will have skin diseases?

(a) 0.1696

(b) 0.01696

(c) 0.1643

(d) 0.01643

ANS : b

USE MY CODE : SS12

Que. What is the SD and mean x if

$$f(x) = \frac{\sqrt{2}}{\sqrt{\pi}} e^{-2(x-3)^2}, -\infty < x < \infty.$$

(a) 3, 1/2

(b) 3, 1/4

(c) 2, 1/2

(d) 2, √2

ANS : a

USE MY CODE : SS12

Que. Given: $\bar{x} = 16$, $\sigma x = 4.8$

$\bar{y} = 20$, $\sigma y = 9.6$

The coefficient of correlation between x and y is 0.6. What will be the regression coefficient of 'x' on 'y'?

(a) 0.03

(b) 0.3

(c) 0.2

(d) 0.05

ANS : b

USE MY CODE : SS12

Que. If 2 variables are uncorrelated, their regression lines are:

(a) Parallel

(b) Perpendicular

(c) Coincident

(d) Inclined at 45 degrees.

ANS : b

USE MY CODE : SS12

Que. When the value of correlation coefficient is +1 or −1, then the two regression lines will _____.

(a) have 30 angle between them.

(b) have 45 angle between them.

(c) coincide.

(d) be perpendicular to each other

ANS : c

Que. The regression equation of x on y is $3x + 2y = 100$. The value of b_{xy} is:

(a) -2/3

(b) 100/3

(c) 32

(d) 23

ANS : a

USE MY CODE : SS12

Que. The expenditure and savings of a person are in the ratio 4 : 1 . If his savings are increased by 25 % of his income , then what is the new ratio of his expenditure and savings

a. 11 : 9

b. 8 : 5

c. 7 : 5

d. 7 : 4

ANS : a

TOP 200 QUESTIONS : PART – 3

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Que. The mean of a set of 20 observations is 18.3 . The mean is reduced by 0.6 when a new observation is added to the set . The new observation is

a. 17.6

b. 18.9

c. 5.7

d. 24.6

ANS : c

USE MY CODE : SS12

Que. There were 50 students in a class , 10 failed whose average marks were 2.5 . The total marks of class were 281 . Find the average marks of students who passed ?

a. 6.4

b. 25

c. 256

d. 86

ANS : a

Que. When 10 is subtracted from all the observations , the mean is reduced to 60% of its value . If 5 is added to all the observations , then the mean will be

a. 25

b. 30

c. 60

d. 65

ANS : b

USE MY CODE : SS12

Que . The quartile deviation of the distribution of the following data is:

x	2	3	4	5	6
f(x)	2	4	8	4	1

(A) 1

(B) ¼

(C) 0

(D) 1/2

ANS : A

USE MY CODE : SS12

Que. A user wants to create a password using 4 lowercase letters (a-z)and 2 uppercase letters (A-Z) . No letter can be repeated in any form . In how many ways can the password be created if the password must start with an uppercase letter ?

a. 26 x 25 x 24 x 23 x 22 x 5 x21

b. 26 x 25 x 24 x 23 x 22 x 2 x 21

c. 26 x 5 x 25 x 24 x 23 x 22 x 2 x 21

d. 6 x 26 x 25 x 24 x 23 x 22 2 x 21

ANS : a

USE MY CODE : SS12

Que. If the 3 rd term of an AP is 7 and the seventh term is 2 more than thrice of third term , the common difference is

a. 4

b. 5

c. 6

d. 3

ANS : a

USE MY CODE : SS12

Que. If arithmetic mean of two numbers is 10 and geometric mean is 6 , then the difference in the numbers is

a. 8

b. 12

c. 16

d. 14

ANS : c

Que. Consider the data sets X = { −6 , 2 , −2, 6} , Y = { 4, 8, 2, 6} , Z = {103 , 100 , 102 , 101 } . Let Sx , Sy , Sz be the standard deviations of the sets X , Y , Z respectively . We have the relation

a. Sx < Sy < Sz

b. Sz <Sy < Sx

c. Sz< Sx< Sy

d. Sx<Sz< Sy

ANS : b

USE MY CODE : SS12

Que. What should be added to $4x^2 + 4x$, so that it becomes perfect square?

(a) 4

(b) 2

(c) 1

(d) 1/2

Ans.C

Que. Three numbers are in AP and their sum is 21. If 1, 5, 15 are added to them respectively, they form a G. P. The numbers are:

(a) 5, 7, 9

(b) 9, 5, 7

(c) 7, 5, 9

(d) none of these.

Ans. A

Que. Find the wrong term of the series 121, 143, 165, 186, 209

(a) 143

(b) 165

(c) 186

(d) 209

Ans.C

Que. A family has a man, his wife, their four sons and their wives. The family of every son also 3 sons and one daughter. Find out the total number of male members in the whole family?

(a) 4

(b) 8

(c) 12

(d) 17

Ans. d

Que. Read the following information and answer the question

'A + B' means 'A is the daughter of B'.

'A × B' means 'A is the son of B'.

'A – B' means 'A is the wife of B'.

If P × Q–S, which of the following is true

(a) S is wife of B

(b) S is father of P

(c) P is daughter of Q

(d) Q is father of P

Ans. b

Que. **Find the number of observations between 250 and 300 from the following data:**

Value:	More than 200	More than 250	More than 300	More than 350
No. of observations:	56	38	15	0

(a) 56

(b) 23

(c) 15

(d) 8

Ans. b

USE MY CODE : SS12

Que. In case of an even number of observations which of the following is median?

(a) Any of the two middle-most value

(b) The simple average of these two middle values

(c) The weighted average of these two middle values

(d) Any of these

Ans.b

Que. If the relationship between two variables u and v are given by 2u + v + 7 = 0 and if the AM of u is 10, then the AM of v is

(a) 17

(b) –17

(c) –27

(d) 27

Ans. c

Que. The quartiles of a variable are 45, 52 and 75 respectively. Its quartile deviation is

(a) 15

(b) 20

(c) 25

(d) 8.30

Ans.a

Que. If x and y are related by y = 2x+ 5 and the SD and AM of x are known to be 5 and 10 respectively, then the coefficient of variation of y is

(a) 25

(b) 30

(c) 40

(d) 20

Ans. c

Que. Find the probability that a four-digit number comprising the digits 2, 5, 6 and 7 would be divisible by 4.

(a) 1/4

(b) 1/3

(c) 1/2

(d) 1

Ans. b

Que. An experiment succeeds thrice as after it fails. If the experiment is repeated 5 times, what is the probability of having no success at all?

(a) 1/1023

(b) 1/1024

(c) 1/1005

(d) 1/1008

Ans.b

Que. The coefficient of correlation between two variables x and y is 0.28. Their covariance is 7.6. If the variance of x is 9, then the standard deviation of y is:

(a) 8.048

(b) 9.048

(c) 10.048

(d) 11.048

b

USE MY CODE : SS12

Que. If the two regression coefficient are 4 and 0.16 the percentage of unexplained variation is

(a) 64

(b) 36

(c) 54

(d) 46

b

USE MY CODE : SS12

Que. Which of the following regression equations represent regression line of Y on X :

$7x + 2y + 15 = 0, 2x + 5y + 10 = 0$

(a) $7x + 2y + 15 = 0$

(b) $2x + 5y + 10 = 0$

(c) Both (a) and (b)

(d) None of these

b

Que. The Paasches and Fishers index numbers are 169 and 156 respectively, then Laspyre's Index number is:

(a) 144

(b) 152

(c) 148

(d) 151.5

Ans. A

Que. The whole sale price index number or agricultural commodities in a given region at a given date is 280. The percentage increase in prices of agricultural commodities over the base year is:

(a) 380

(b) 280

(c) 180

(d) 80

Ans. C

Que. The prices and quantities of 3 commodities in base and current years are as follows:

p_0	p_1	q_0	q_1
12	14	10	20
10	8	20	30
8	10	30	10

The Laspeyre price index is

(a) 118.13 (b) 107.14

(c) 120.10 (d) None

Ans. b

Que. The cost of living index numbers in years 2015 and 2018 were 97.5 and 115 respectively. The salary of a worker in 2015 was ₹ 19500. How much additional salary was required for him in 2018 to maintain the some standard of living as in 2015 ?

(a) 3000

(b) 4000

(c) 3500

(d) 4500

Ans. c

Que. In a Binomial Distribution, if mean is k-times the variance, then the value of 'k' will be _____.

(a) p

(b) 1/p

(c) 1 - p

(d) 1/1 - p

Ans. d

Que. In a Normal Distribution

(a) The first and second quartile are equidistant from median

(b) The second and third quartiles are equidistant from the median

(c) The first and third quartiles are equidistant from the mean

(d) None of the above.

Ans. c

Que. The probability that a student is not a swimmer is 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) ${}^5C_4\left(\frac{4}{5}\right)^1\left(\frac{1}{5}\right)^4$

(d) None of the above

Ans. d

Que. For the given set of normally distributed data, the following statistical data are known: Mean = 6; Standard Deviation = 2.6; Median = 5 and Q deviation = 1.5, then the coefficient of quartile deviation equals to

(a) 30

(b) 32

(c) 25

(d) 39

Ans. a

Que. The standard deviation of 1 to 9 natural number is:

(a) 6.65

(b) 2.58

(c) 6.75

(d) 5.62

Ans. b

[2019-NOV]

Que. $\sum_{i=1}^{n}\left(\bar{x}-x_i\right)$ is equal to

(a) $\bar{x}\sum_{i=1}^{n}x_i$

(b) $n\left(\bar{x}\sum_{i=1}^{n}x_i\right)$

(c) $\bar{x}-n\bar{x}$

(d) zero

Ans. d

Que. Find the number of even numbers greater than 100 that can be formed with the digits 0,1,2,3 ?

(a) 10

(b) 15

(c) 20

(d) none of these

Ans. c

Que. In an examination a candidate has to pass each of the 4 papers . In how many different ways can be failed

(a) 14

(b) 16

(c) 15

(d) none of these

Ans. c

Que. The share holding pattern of ABC Ltd. b as follows:

Share holders	Promoter	FII	MF	Other	Public
No. Of shares insomnious	120	25	20	20	15

What is the difference between central angles of Promoters and public in pie chart?

(a) 216

(b) 189

(c) 180

(d) 99

Ans. b

Que. Suppose you have decided to make a systematic investment plan (SIP) inn a mutual fund with ₹ 1,00,000 every year from today for next 10 years at the rate of 10% per annum compounded annually. What is the future value of this annuity? Given $(1.1)^{10}=2.59374$

(a) ₹ 17,35,114

(b) ₹ 17,53,411

(c) ₹ 17,35,411

(d) ₹ 17,53,114

Ans. d

Que. The effective rate of return for 24% per annum convertible monthly is given as

(a) 24 %

(b) 26.82 %

(c) 18 %

(d) 24.24 %

Ans. b

Que. If the desired future value after 5 years with 18% interest rate is ₹ 1,50,000, then the present value (in ₹) is (Given that $(1.18)^5 = 2.2877$) ?

(a) 63,712

(b) 65,568

(c) 53,712

(d) 41,712

Ans. b

Que. A person wants to lease out a machine costing ₹ 5,00,000 for a 10 year period. It has fixed a rental of ₹ 51,272 per annum payable annually starting from the end of first year. Suppose rate of interest is 10% per annum compounded annually on which money can be invested. To whom this agreement is favourable?

(a) Favour of Lessee

(b) Favour of Lessor

(c) Not for both

(d) Can't be determined

Ans. a

Que . Find the missing value in the series 0, 2, 3, 6, 10, 17, 28, ?, 75.

(a) 58

(b) 46

(c) 48

(d) 54

Ans. B

Que Find the missing term: P 3 C, R 5 F, T 8 I, V 12 L, ?

(a) Y17O

(b) X17M

(c) X17O

(d) X16O

Ans. C

Que . In a certain Code Language BEAT is written as YVZG, then what will be Code for MILD?

(a) ONRW

(b) NOWR

(c) ONWR

(d) NROW

Ans. D

Que. Ms. N walks 10 km towards North from there she walks 6 km towards South. Then she walks 3 km towards East. How far and in which direction is she with reference to her starting point?

(a) 4 km West

(b) 6 km West

(c) 3 km East

(d) 5 km North/East

Ans. D

Que. Radha moves towards South-East a distance of 7 km, then she moves towards West and travels a distance of 14 km. From here she moves towards North -West a distance of 7 km. and finally she moves a distance of 4 km. towards East. How far is she now from the starting point?

(a) 3 km.

(b) 4 km.

(c) 10 km.

(d) 11 km.

Ans. C

Que. P, Q, R, S and T are sitting in a line facing West. P and Q are sitting together. R is sitting at South end and S is sitting at North end. T is neighbour of Q and R. Who is sitting the middle?

(a) P

(b) Q

(c) R

(d) S

Ans. B

TOP 200 QUESTIONS : PART – 4

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Que. Six friends P,Q,R,S,T and U are sitting around the hexagonal table each at one corner and are facing the centre of the hexagonal. P is second to the left of U.Q is neighbor of R and S. T is second to the left of S. Which one is sitting opposite to S?

(a) R

(b) P

(c) Q

(d) S

Ans. B

Que. Ravi is son of Aman's father's sister. Ram is son of Divya. Who is the mother of Gaurav and grandmother of Aman. Ashok is father of Tanya and grandfather of Ravi. Divya is wife of Ashok.

How is Ravi related to Divya?

(a) Nephew

(b) Grandson

(c) Son

(d) None

Ans. B

Que. X and Y are brothers. R is the father of Y. S is the brother of T and maternal uncle of X. What is T to R?

(a) Mother

(b) Wife

(c) Sister

(d) Brother

Ans. B

Que. The number of subsets of the set (0, 1, 2, 3) is:

a. 2

b. 4

c. 8

d. 16

Ans. D

Que. Let F:R ⇒ R be defined by

$$f(x) = \begin{cases} 2x \text{ for } x > 3 \\ x^2 \text{ for } 1 < x \leq 3 \\ 3x \text{ for } x \leq 1 \end{cases}$$

The value of f (−1) + f (2) + f (4) is

a. 9

b. 14

c. 5

d. 6

Ans. A

Que. Find the missing value in the series: 51, 52, 60, 87, 151, _____, 492.

(a) 195

(b) 276

(c) 317

(d) 420

Ans. b

Que. In a certain code PREMONITION is written as 68530492904, how is MONITOR written in the same code

(a) 12345567

(b) 3029408

(c) 3049208

(d) 3049258

Ans. C

Que. If RED is coded as 6720 then GREEN would be coded as

a. 9207716
b. 167129
c. 1677209
d. 167209

Ans. C

Que . The hour hand of a clock is in west direction when time is 3 o'clock . What is the direction of minutes hand when time is 6 : 45 ?

a. East
b. North
c. West
d. South

Ans. a

USE CODE : SS12

Que . Kiran walks 2 km towards North then he turns East and walks 10 km . After this he turns North and walks 3 km . Again , he turns towards East and walks 2 km . How far is he from the starting point ?

a. 10 km
b. 13 km
c. 15 km
d. 17 km

Ans. b

Que . Point P is 10 m west of point Q . Point R is 4 m north of point P . Point T is 3 m east of point S and Point S is 5 m South of point Q . What is the direction of point R with respect to point T ?

a. South-east
b. South
c. North-east
d. North-west

Ans. d

Que . Gopal said pointing to Govind , “ His father is my father’s only son “ . How is Gopal related to Govind ?

a. Grandfather
b. Grandson
c. Son
d. Father

Ans. d

USE CODE : SS12

Que A is B's sister . C is B's mother . D is C's father . E is D's mother . Then how A is related to D

a. Grandfather
b. Grandmother
c. Daughter
d. Granddaughter

Ans. d

USE CODE : SS12

Que Read the following instructions :

P $ Q means P is the brother of Q ;

P # Q means P is the mother of Q ;

P * Q means P is the daughter of Q ;

If the code of family is A # B $ C * D , who is the father in them ?

a. D
b. B
c. C
d. A

Ans. a

Que. One root of the equation: $x^2 - 2(5 + m)x + 3(7 + m) = 0$ is reciprocal of the other. Find the value of m.

(a) -20/3

(b) 7

(c) 1/7

(d) 117

Ans. a

Given the constraints , $x \leq 3$, $y \leq 4$ and $4x + 3y \leq 12$, the point ____is in the feasible region

(a) (3, 4)

(b) (2,4)

(c) (2,2)

(d) (1, 1)

Ans : d

Que. Three girls and five boys are to be seated in a row so that no two girls sit together. Total no. of ways of this arrangement are:

(a) 14400

(b) 120

(c) ${}^{5}P_{3}$

(d) 3! × 5!

a

Que. The first, second and seventh term of an AP. are in G.P. and the common difference is 2, the 2nd term of A.P. is :

(a) 5/2

(b) 2

(c) 3/2

(d) ½

Ans a

Que. Divide 144 into three parts which are in AP and such that the largest is twice the smallest, the smallest of three numbers will be:

(a) 48

(b) 36

(c) 13

(d) 32

d

- THREE NUMBERS IN AP $(a-d), a, (a+d)$

Que. Find f o g for the functions $f(x) = x^8$, $g(x) = 2x^2 + 1$

(a) $x^8 (2x^2 + 1)$

(b) x^8

(c) $2x^2 + 1$

(d) $(2x^2 + 1)^8$

Ans d

Que. If a simple interest on a sum of money at 6% p.a. for 7 years is equal to twice of simple interest on another sum for 9 years at 5% p.a.. The ratio will be:

(a) 2 : 15

(b) 7 : 15

(c) 15 : 7

(d) 1 : 7

Ans : c

Que. A sum of ₹ 44,000 is divided into three parts such that the corresponding interest earned after 2 years, 3 years and 6 years may be equal. If the rates of simple interest are 6% p.a., 8% p.a. and 6% p.a. respectively, then the smallest part of the sum will be:

(a) ₹ 4,000

(b) ₹ 8,000

(c) ₹ 10,000

(d) ₹ 12,000

Ans : b

A man borrows ₹4,000 from a bank at 10% compound interest . At the end of every year

₹ 1500 as part of repayment of loan and interest . How much is still owed to the bank after three such installments

(a) ₹ 359

(b) ₹ 820

(c) ₹ 724

(d) ₹ 720

Ans a

Que. Mr. X invests 'P' amount at Simple Interest rate 10% and Mr. Y invests ‘Q’ amount at Compound Interest rate 5% compounded annually. At the end of two years both get the same amount of interest, then the relation between two amounts P and Q is given by:

(a) P = 41Q / 80

(b) P = 41Q / 40

(c) P = 41Q / 100

(d) P = 41Q / 200

Ans : a

Que. The annual birth and death rates per 1,000 are 39.4 and 19.4 respectively. The number of years in which the population will be doubled assuming there is no immigration or emigration is:

(a) 35 years

(b) 30 years

(c) 25 years

(d) none of these

Ans. a

Que. Given the function $f(x)=(2x+3)$, then the value of $f(2x)-2f(x)+3$ will be

a. 3

b. 2

c. 1

d. 0

d

Que. Let A = R - {3} and B = R - {1}. Let $f(x) \rightarrow B$ defined by $f(x) = (x - 2) / (x - 3)$. What is the value of $f^{-1}(1/2)$

a. 2/3

b. 3/4

c. -1

d. 1

d

USE MY CODE : SS12

Que. Two finite sets have x and y number of elements. The total number of subsets of first is 56 more than the total number of subsets of second. The value of x and y is:

a. 6 and 3

b. 4 and 2

c. 2 and 4

d. 3 and 4

a

Que P, Q and R are three cities. The ratio of average temperature between P and Q is 11 : 12 and that between P and R is 9 : 8. The ratio between the average temperature of Q and R is

(a) 22:27

(b) 27:22

(c) 32:33

(d) none of these

Ans : b

Que. The value of $\log_5 3 \times \log_3 4 \times \log_2 5$.

(a) 0

(b) 1

(c) 2

(d) 1/2

Ans. C

Que. The number of students in each section of a school is 36. After admitting 12 new students, four new sections were started. If total number of students in each section now is 30, than the number of sections initially were

a. 6

b. 10

c. 14

d. 18

Ans : d

Que. Find the number of arrangements in which the letters of the word 'MONDAY' be arranged so that the words thus formed begin with ‘M’ and do not end with ‘N’

(a) 720

(b) 120

(c) 96

(d) None of these

c

Que. The four digit numbers that can be formed out of the seven digits 1,2, 3,5,7,8,9 such that no digit is repeated in any number and are greater than 3000 are:

(a) 120

(b) 480

(c) 600

(d) 840

c

Que. How many parallelograms can be formed from a set of 6 parallel lines intersecting another set of 4 parallel lines?

(a) 80

(b) 70

(c) 90

(d) 100

C

Que. In a graphical representation of data, the largest numerical value is 45 the smallest numerical value is 25. If classes desired are 4 then length of class interval is

(a) 45

(b) 5

(c) 20

(d) 7.5

Ans.b

Que. The median following numbers, which are given in ascending order is 25. Find the value of x

11, 13, 15, 19, (x + 2), (x + 4), 30, 35, 39, 46

(a) 22

(b) 20

(c) 15

(d) 30

Ans. a

Que. If the first Quartile is 142 and semi-inter quartile range is 18, then the value of median is:

(a) 151

(b) 160

(c) 178

(d) none of these

Ans. b

Que. Which of the following is not a type of sampling?

(a) Probability

(b) Non- Probability

(c) Stand-alone

(d) Mixed

Ans. c

Que. The mean deviation about median of standard normal variate is

(a) 0.675σ

(b) 0.675

(c) 0.80σ

(d) 0.80

Ans. d

Que. If the inflexion points of a Normal Distribution are 6 and 14. Find its Standard Deviation?

(a) 4

(b) 6

(c) 10

(d) 12

Ans.a

Que. The quartile deviation of a normal distribution with mean 10 and standard deviation 4 is

(a) 54.24

(b) 23.20.

(c) 0.275

(d) 2.70

Ans.d

Que. The harmonic mean of 1, 1/2,1/3.....1/n is

(a) 1/(n + 1)

(b) 2/(n + 1)

(c) (n + 1)/2

(d) 1/(n - 1)

Ans. b

Que. A speaks truth in 75% cases and B in 60% of the cases. In what percentage of the cases are they likely to contradict each other, narrating the same incident?

(a) 0.60

(b) 0.45

(c) 0.65

(d) 0.35

Ans.b

Que. 100 students are classified into male/female and graduate/non-graduate classes. This data classification is

(a) Cardinal data

(b) Ordinal data

(c) Spatial Series data

(d) Temporal data

Ans. b

Que. If Rx and Ry denote ranges of x and y respectively where x and y are related by $4x + 5y + 12 = 0$, what would be the relation between R_x and R_y?

(a) $R_x = R_y$

(b) $4R_x = 5R_y$

(c) $5R_x = 4R_y$

(d) None of these

Ans. b

Que. If the arithmetic mean of 1st n natural numbers is then 6n/11 the value of 'n' is:

(a) 10

(b) 11

(c) 14

(d) None of these

Ans. b

Que. If Quartile deviation is 7. Find the value of x from the arranged series: 2, x, 6, 7, 9, 16, 18.

(a) 5

(b) 2

(c) 8

(d) 6

Ans. b

Que. For a symmetric distribution:

(a) Mean = Median = Mode

(b) Mode = 3 Median - 2 Mean

(c) Mode = 1/3 Median = 1/2 Mean

(d) None

Ans. a

Que. The sum of mean and SD of a series is a + b, if we add 2 to each observation of the series then the sum of mean and SD is:

(a) a + b + 2

(b) 6 - a + b

(c) 4 + a - b

(d) a + b + 4

Ans. a

Que. The distribution of profits of a company follows:

(a) J-shaped frequency curve

(b) U-shaped frequency curve

(c) Bell-shaped frequency curve

(d) Any of these

Ans. c

Que. Time reversal & factor reversal are:

(a) Quantity Index

(b) Ideal Index

(c) Price Index

(d) Test of Consistency

d

Que. The _____ is satisfied when $P_{ab} \times P_{bc} \times P_{ca} = 1$

(a) Time reversal test

(b) Factor reversal test

(c) Circular Test

(d) none of these

Ans. c

Que. Which of the following index measures the change from month to month in the cost of a representative "basket" of goods and services of the type which are brought by a typical household?

(a) Retail Price Index

(b) Laspeyre's Index

(c) Fisher's Index

(d) Paasche's Index

Ans. a

Que. _____ play a very important role in the construction of index numbers.

(a) Weights

(b) Classes

(c) Estimations

(d) None

a