SSC CGL Tier 2 Oct 27, 2023 Shift 1 Question Paper with Answers

Exam Date	27/10/2023
Exam Time	9:00 AM - 11:00 AM
Subject	CGLE 2023 Tier II Paper II Statistics

Section : **Statistics**

Q.1 For any two events A and B, if P(A|B) = 0.6 and P(B|A) = 0.4, then what is the value of $\frac{P(A)}{P(B)}$?

Ans
1. ✔ 1.5
2. ✘ 0.5
3. ✘ 2.5
4. ✘ 0.2

Question ID : **264330183631**
Option 1 ID : **264330720245**
Option 2 ID : **264330720246**
Option 3 ID : **264330720244**
Option 4 ID : **264330720247**
Status : **Answered**
Chosen Option : **1**

Q.2 The weighted aggregate price index with base year quantities taken as weights is known as:

Ans
1. ✘ Walsch index
2. ✔ Laspeyre's price index
3. ✘ Dorbish_Bowley index
4. ✘ Paasches' price index

Question ID : **264330183658**
Option 1 ID : **264330720355**
Option 2 ID : **264330720353**
Option 3 ID : **264330720354**
Option 4 ID : **264330720352**
Status : **Answered**
Chosen Option : **2**

Q.3 If, for a group of 20 items, $\sum x = 1452, \sum x^2 = 144280$ and mode = 63.7, then Pearsonian coefficient of skewness is equal to:

Ans
1. ✔ 0.202
2. ✘ 0.708
3. ✘ 0.902
4. ✘ 0.504

Question ID : **264330183615**
Option 1 ID : **264330720183**
Option 2 ID : **264330720181**
Option 3 ID : **264330720180**
Option 4 ID : **264330720182**
Status : **Answered**
Chosen Option : **1**

Q.4 For a group of 50 male workers, the mean and the standard deviation of their daily wages are ₹63 and ₹9, respectively. For a group of 40 female workers, these values are ₹54 and ₹6, respectively. What is the standard deviation of the combined group of these 90 workers?

Ans
1. 8 ✗
2. 9 ✓
3. 11 ✗
4. 10 ✗

Question ID : **264330183601**
Option 1 ID : **264330720124**
Option 2 ID : **264330720125**
Option 3 ID : **264330720127**
Option 4 ID : **264330720126**
Status : **Answered**
Chosen Option : **2**

Q.5 Let the joint probability density function of (X,Y) be

$$f(x,y) = \begin{cases} 6xy^2 & if\ 0 < x < 1, 0 < y < 1 \\ 0, & otherwise \end{cases}.$$

Then P(1/2 <X <3/4) is:

Ans
1. $\frac{7}{16}$ ✗
2. $\frac{5}{16}$ ✓
3. $\frac{1}{8}$ ✗
4. $\frac{1}{16}$ ✗

Question ID : **264330183681**
Option 1 ID : **264330720446**
Option 2 ID : **264330720445**
Option 3 ID : **264330720447**
Option 4 ID : **264330720444**
Status : **Answered**
Chosen Option : **2**

Q.6 The limits of a multiple correlation coefficient $R_{1.23}$ are:

Ans
1. $0 \le R_{1.23} \le 2$ ✗
2. $-2 \le R_{1.23} \le 2$ ✗
3. $-1 \le R_{1.23} \le 1$ ✗
4. $0 \le R_{1.23} \le 1$ ✓

Question ID : **264330183647**
Option 1 ID : **264330720309**
Option 2 ID : **264330720310**
Option 3 ID : **264330720308**
Option 4 ID : **264330720311**
Status : **Answered**
Chosen Option : **3**

Q.7 If α is the level of significance and if (1 − α) is increased, then the width of the confidence interval of mean:

Ans
1. increases ✓
2. remains constant ✗
3. is reduced by half ✗
4. decreases ✗

Question ID : **264330183673**
Option 1 ID : **264330720412**
Option 2 ID : **264330720414**
Option 3 ID : **264330720415**
Option 4 ID : **264330720413**
Status : **Answered**
Chosen Option : **1**

Q.8 The two regression lines y = c + mx and x = a + dy always pass through:

Ans
1. $(\bar{x}, \bar{y})$ ✓
2. (min(x), min(y)) ✗
3. (0, 0) ✗
4. (max (x), max (y)) ✗

Question ID : **264330183652**
Option 1 ID : **264330720330**
Option 2 ID : **264330720328**
Option 3 ID : **264330720329**
Option 4 ID : **264330720331**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Suppose in a certain large group, the height is approximately normal distributed with a mean of 160 cm and the standard deviation is 10. For a sample of size 16, the sampling distribution of sample mean has standard error equal to:

Ans
1. 2.01 ✗
2. 2.5 ✓
3. 3.2 ✗
4. 3.3 ✗

Q.10 Suppose a die is thrown four times and 5, 3, 5, 3 are obtained, respectively. Then the empirical probability of getting 5 is:

Ans

✔ 1. 0.5

✗ 2. 0.7

✗ 3. 0.6

✗ 4. 0.8

Question ID : **264330183728**
Option 1 ID : **264330720632**
Option 2 ID : **264330720634**
Option 3 ID : **264330720633**
Option 4 ID : **264330720635**
Status : **Answered**
Chosen Option : **1**

Q.11 Using usual notations, the logistic curve that is known as Pearl-Reed curve and used as a measurement of the secular trend is given by:

Ans

✗ 1. $y_t = \frac{a*k}{1+exp(a+bt)}, b < 0$

✗ 2. $y_t = \frac{b*k}{1+exp(a+bt)}, b < 0$

✗ 3. $y_t = \frac{1+exp(a+bt)}{k}, b < 0$

✔ 4. $y_t = \frac{k}{1+exp(a+bt)}, b < 0$

Question ID : **264330183665**
Option 1 ID : **264330720381**
Option 2 ID : **264330720382**
Option 3 ID : **264330720383**
Option 4 ID : **264330720380**
Status : **Answered**
Chosen Option : **3**

Q.12 Let X and Y have the joint p.m.f. $f(x, y) = \frac{x+y}{21}$, where $x = 1, 2, 3$ and $y = 1, 2$. The marginal p.m.f. of X is:

Ans

✔ 1. $\frac{2x+3}{21}$, $x = 1, 2, 3$

✗ 2. $\frac{6+3y}{21}$, $y = 1, 2$

✗ 3. $\frac{x+18}{21}$, $x = 1, 2, 3$

✗ 4. $\frac{6x+3}{21}$, $x = 1, 2, 3$

Question ID : **264330183578**
Option 1 ID : **264330720032**
Option 2 ID : **264330720034**
Option 3 ID : **264330720033**
Option 4 ID : **264330720035**
Status : **Answered**
Chosen Option : **2**

Q.13 For the series of the following observations, the coefficient of range leads to which of the following conclusions?

FIRST: 2, 2, 3, 3, 4, 5, 5, 6, 7

SECOND: 2, 3, 4, 6, 8, 9, 10, 14, 16, 18

THIRD: 1, 3, 4, 4, 5, 7, 8, 8, 9, 10, 12, 12

Ans
1. Third series has greatest dispersion
2. Can't make a comparison among dispersion of three series
3. Second series has greatest dispersion
4. First series has greatest dispersion

Question ID : **264330183702**
Option 1 ID : **264330720530**
Option 2 ID : **264330720531**
Option 3 ID : **264330720529**
Option 4 ID : **264330720528**
Status : **Answered**
Chosen Option : **1**

Q.14 For three variables X_1, X_2 and X_3, the following information is available.

$s_1=10, r_{12} = 0.90$

$s_2= 5, r_{13} = 0.75$

$s_3= 3, r_{23} = 0.70$

Then partial regression coefficient $(b_{13.2})$ of X_2 on X_1 and X_3 is:

Ans
1. 2.34
2. 0.784
3. 3.61
4. 1.54

Question ID : **264330183754**
Option 1 ID : **264330720737**
Option 2 ID : **264330720739**
Option 3 ID : **264330720736**
Option 4 ID : **264330720738**
Status : **Not Answered**
Chosen Option : **--**

Q.15 The analysis of variance technique was introduced by:

Ans
1. Kolmogorov
2. CR Rao
3. PC Mahalanobis
4. RA Fisher

Question ID : **264330183737**
Option 1 ID : **264330720668**
Option 2 ID : **264330720671**
Option 3 ID : **264330720670**
Option 4 ID : **264330720669**
Status : **Answered**
Chosen Option : **4**

Q.16 If the correlation coefficient is the geometric mean of regression coefficients, then:

Ans
1. $r_{12.3}^2 = b_{12.3} + b_{21.3}$
2. $r_{12.3}^2 = b_{12.3} \times b_{21.3}$
3. $r_{12.3}^2 = \frac{b_{12.3}}{b_{21.3}}$
4. $r_{12.3}^2 = (b_{12.3} \times b_{21.3})^2$

Question ID : **264330183654**
Option 1 ID : **264330720338**
Option 2 ID : **264330720336**
Option 3 ID : **264330720337**
Option 4 ID : **264330720339**
Status : **Answered**
Chosen Option : **2**

Q.17 If $X \sim N(5,16)$, then the first quartile of X is equal to:

Ans
1. 2.3
2. 5.3
3. 4.3
4. 3.3

Question ID : **264330183635**
Option 1 ID : **264330720261**
Option 2 ID : **264330720263**
Option 3 ID : **264330720262**
Option 4 ID : **264330720260**
Status : **Answered**
Chosen Option : **2**

Q.18 The mean of the first 15 natural numbers is:

Ans
1. 7.5
2. 9.5
3. 8
4. 9

Question ID : **264330183588**
Option 1 ID : **264330720072**
Option 2 ID : **264330720075**
Option 3 ID : **264330720073**
Option 4 ID : **264330720074**
Status : **Answered**
Chosen Option : **3**

Q.19 For a random variable X following Poisson distribution with parameter 5, the variance of X is:

Ans
1. 3 ✗
2. 1 ✗
3. 2 ✗
4. 5 ✓

Question ID : **264330183684**
Option 1 ID : **264330720459**
Option 2 ID : **264330720458**
Option 3 ID : **264330720456**
Option 4 ID : **264330720457**
Status : **Answered**
Chosen Option : **4**

Q.20 For a moderately skewed distribution, let mode = 15, median = 17.4. The value of mean is:

Ans
1. 18.6 ✓
2. 13.6 ✗
3. 18.45 ✗
4. 15.4 ✗

Question ID : **264330183716**
Option 1 ID : **264330720586**
Option 2 ID : **264330720585**
Option 3 ID : **264330720584**
Option 4 ID : **264330720587**
Status : **Answered**
Chosen Option : **1**

Q.21 The power of a test is:

Ans
1. P(Type I error) ✗
2. $1-$ P(Type II error) ✓
3. P(Type II error) ✗
4. $1-$ P(Type I error) ✗

Question ID : **264330183774**
Option 1 ID : **264330720817**
Option 2 ID : **264330720819**
Option 3 ID : **264330720818**
Option 4 ID : **264330720816**
Status : **Not Answered**
Chosen Option : **--**

Q.22 In a frequency curve, what is plotted on vertical axis?

Ans
✔ 1. Class frequencies
✗ 2. Class limits
✗ 3. Cumulative frequencies
✗ 4. Class boundaries

Question ID : **264330183723**
Option 1 ID : **264330720613**
Option 2 ID : **264330720614**
Option 3 ID : **264330720612**
Option 4 ID : **264330720615**
Status : **Answered**
Chosen Option : **1**

Q.23 Which of the following is NOT an example of the probability sampling technique?

Ans
✗ 1. Stratified random sampling
✗ 2. Simple random sampling
✗ 3. Systematic sampling
✔ 4. Purposive sampling

Question ID : **264330183667**
Option 1 ID : **264330720389**
Option 2 ID : **264330720388**
Option 3 ID : **264330720391**
Option 4 ID : **264330720390**
Status : **Answered**
Chosen Option : **3**

Q.24 When performing a one way analysis of variance, which statistical test is used?

Ans
✗ 1. z test
✔ 2. χ^2test
✗ 3. F test
✗ 4. t test

Question ID : **264330183741**
Option 1 ID : **264330720687**
Option 2 ID : **264330720686**
Option 3 ID : **264330720685**
Option 4 ID : **264330720684**
Status : **Answered**
Chosen Option : **3**

Q.25 If the correlation coefficient between two variables is zero, then the two lines of regression will be:

Ans
✗ 1. parallel to each other
✗ 2. coincide with each other
✓ 3. perpendicular to each other
✗ 4. overlap with each other

Question ID : **264330183653**
Option 1 ID : **264330720332**
Option 2 ID : **264330720333**
Option 3 ID : **264330720335**
Option 4 ID : **264330720334**
Status : **Answered**
Chosen Option : **1**

Q.26 The first four moments of a distribution about the value 2 are 1, 2.5, 5.5 and 16. What is the 4^{th} moment about zero?

Ans
✗ 1. 3
✓ 2. 168
✗ 3. 10.5
✗ 4. 40.5

Question ID : **264330183608**
Option 1 ID : **264330720152**
Option 2 ID : **264330720155**
Option 3 ID : **264330720153**
Option 4 ID : **264330720154**
Status : **Not Answered**
Chosen Option : **--**

Q.27 Consider the sample space {1,2,3,4,5,6} and events

A: {1,6}, B :{1, 3}, C: {1,5}, D: {2,5} and E={4,5}, then:

Ans
✗ 1. A, B, C, D and E are mutually exclusive and exhaustive
✗ 2. A, B, C, D and E are neither mutually exclusive nor exhaustive
✗ 3. A, B, C, D and E are mutually exclusive
✓ 4. A, B, C, D and E are exhaustive but not mutually exclusive

Question ID : **264330183729**
Option 1 ID : **264330720637**
Option 2 ID : **264330720639**
Option 3 ID : **264330720636**
Option 4 ID : **264330720638**
Status : **Answered**
Chosen Option : **4**

Q.28 The term 'Analysis of variance' was introduced by:

Ans
1. Karl Pearson ✗
2. Ronald A Fisher ✓
3. John Tukey ✗
4. William Sealy Gosset ✗

Question ID : **264330183637**
Option 1 ID : **264330720268**
Option 2 ID : **264330720269**
Option 3 ID : **264330720270**
Option 4 ID : **264330720271**
Status : **Answered**
Chosen Option : **2**

Q.29 Positive skewness means that the frequencies in the distribution are spread:

Ans
1. on the left side of the centre of the curve ✗
2. uniformly on both sides of the centre of the curve ✗
3. on the right side of the centre of the curve ✓
4. on neither side of the centre of the curve ✗

Question ID : **264330183599**
Option 1 ID : **264330720117**
Option 2 ID : **264330720118**
Option 3 ID : **264330720116**
Option 4 ID : **264330720119**
Status : **Answered**
Chosen Option : **3**

Q.30 Which of the following is an absolute measure of skewness?

Ans
1. (Mean − Median) / standard deviation ✗
2. $(Q_3 + Q_1 - 2Q_2)$ / standard deviation ✗
3. (Mean − Mode) / standard deviation ✗
4. Mean − Median ✓

Question ID : **264330183710**
Option 1 ID : **264330720563**
Option 2 ID : **264330720562**
Option 3 ID : **264330720560**
Option 4 ID : **264330720561**
Status : **Answered**
Chosen Option : **3**

Q.31 If a man travels 200 km, each at three speeds of 60, 50 and 40 km/h, respectively, then his average speed is:

Ans
1. 47.65 km/h
2. 49.45 km/h
3. 48 km/h
4. 48.65 km/h

Question ID : **264330183592**
Option 1 ID : **264330720088**
Option 2 ID : **264330720091**
Option 3 ID : **264330720089**
Option 4 ID : **264330720090**
Status : **Answered**
Chosen Option : **4**

Q.32 Using usual notations, the cost of living index in terms of weights is calculated by:

Ans
1. $\frac{\sum_j w_j}{\sum_j w_j p_j}$
2. $\sum_j w_j p_j \times \sum_j w_j$
3. $\frac{\sum_j w_j p_j}{\sum_j w_j}$
4. $\sum_j w_j p_j + \sum_j w_j$

Question ID : **264330183660**
Option 1 ID : **264330720360**
Option 2 ID : **264330720363**
Option 3 ID : **264330720362**
Option 4 ID : **264330720361**
Status : **Answered**
Chosen Option : **3**

Q.33 Which of the following can be applied as a goodness-of-fit test?

Ans
1. χ^2 test
2. t-test
3. F-test
4. Z-test

Question ID : **264330183671**
Option 1 ID : **264330720406**
Option 2 ID : **264330720405**
Option 3 ID : **264330720407**
Option 4 ID : **264330720404**
Status : **Answered**
Chosen Option : **1**

Q.34 For a negatively skewed and platykurtic distribution:

Ans
✔ 1. Skewness < 0, Kurtosis < 3
✘ 2. Skewness < 0, Kurtosis $= 3$
✘ 3. Skewness $= 0$, Kurtosis $= 1$
✘ 4. Skewness > 0, Kurtosis < 3

Question ID : **264330183705**
Option 1 ID : **264330720541**
Option 2 ID : **264330720540**
Option 3 ID : **264330720542**
Option 4 ID : **264330720543**
Status : **Answered**
Chosen Option : **1**

Q.35 For two-way classification, let number of treatments and blocks be 5 and 5, respectively. It is given that SSTR (sum of squares due to treatments) = 18.5335, SSE (sum of squares due to error) = 3.545 and SST (total sum of squares) = 46.9335. The value of F-statistic for testing equality of effectiveness of five treatments is:

Ans
✔ 1. 20.9
✘ 2. 15.7
✘ 3. 10.9
✘ 4. 12.6

Question ID : **264330183743**
Option 1 ID : **264330720695**
Option 2 ID : **264330720692**
Option 3 ID : **264330720694**
Option 4 ID : **264330720693**
Status : **Not Answered**
Chosen Option : **--**

Q.36 In a survey, it is found that out of 301 women, 24 women had impaired fasting glucose (IFG). If null hypothesis to be tested is that 6.3% have IFG and alternative hypothesis is that percentage is more than 6.3, then the value of test statistic is:

Ans
✘ 1. 0.87
✘ 2. 1.86
✔ 3. 1.2
✘ 4. 1.56

Question ID : **264330183775**
Option 1 ID : **264330720821**
Option 2 ID : **264330720822**
Option 3 ID : **264330720820**
Option 4 ID : **264330720823**
Status : **Not Answered**
Chosen Option : **--**

Q.37 Given below are moments about an arbitrary origin 5.

If $\mu_1' = -4, \mu_2' = 22, \mu_3' = -117$ and $\mu_4' = 560$, then μ_3 is equal to:

Ans
1. 32 ✗
2. 48 ✗
3. 19 ✓
4. 6 ✗

Question ID : **264330183607**
Option 1 ID : **264330720150**
Option 2 ID : **264330720151**
Option 3 ID : **264330720149**
Option 4 ID : **264330720148**
Status : **Answered**
Chosen Option : **3**

Q.38 Which of the following is NOT a role of tabulation?

Ans
1. It simplifies complex data. ✗
2. It provides descriptive statistics. ✓
3. It gives identity to the data. ✗
4. It facilitates comparison. ✗

Question ID : **264330183622**
Option 1 ID : **264330720208**
Option 2 ID : **264330720211**
Option 3 ID : **264330720210**
Option 4 ID : **264330720209**
Status : **Answered**
Chosen Option : **2**

Q.39 In case of a certain distribution, the following results were obtained.

Mean = 45, median = 48 and coefficient of skewness = −0.4. What is the standard deviation of the distribution?

Ans
1. 24.5 ✗
2. 22.5 ✓
3. 23 ✗
4. 17.0 ✗

Question ID : **264330183610**
Option 1 ID : **264330720163**
Option 2 ID : **264330720161**
Option 3 ID : **264330720162**
Option 4 ID : **264330720160**
Status : **Answered**
Chosen Option : **2**

Q.40 If Laspeyers' index is 119.4 and Paasche's index number is 118.7, then Fisher's ideal index number is:

Ans
1. 156 ✗
2. 125.34 ✗
3. 119.05 ✓
4. 116.8 ✗

Question ID : **264330183758**
Option 1 ID : **264330720755**
Option 2 ID : **264330720753**
Option 3 ID : **264330720754**
Option 4 ID : **264330720752**
Status : **Answered**
Chosen Option : **3**

Q.41 If the distribution is negatively skewed then

Ans
1. Mean > Median ✗
2. Mean > Mode ✗
3. Mean < Mode ✓
4. Median > Mode ✗

Question ID : **264330183618**
Option 1 ID : **264330720195**
Option 2 ID : **264330720194**
Option 3 ID : **264330720192**
Option 4 ID : **264330720193**
Status : **Answered**
Chosen Option : **3**

Q.42 If n is a natural number, then, for what value of k is the following function a probability mass function?

$$f(x) = \frac{n!}{x!(n-x)!} k^x (1-k)^{n-x}, x = 0,1,2,\ldots,n$$

Ans
1. $k = 0.2$ ✓
2. $k = 10$ ✗
3. $k = 5$ ✗
4. $k = 2$ ✗

Question ID : **264330183633**
Option 1 ID : **264330720255**
Option 2 ID : **264330720253**
Option 3 ID : **264330720252**
Option 4 ID : **264330720254**
Status : **Not Answered**
Chosen Option : **--**

Q.43 The third order central moment of normal distribution is:

Ans
1. positive
2. 0
3. 1
4. negative

Question ID : **264330183685**
Option 1 ID : **264330720462**
Option 2 ID : **264330720461**
Option 3 ID : **264330720463**
Option 4 ID : **264330720460**
Status : **Answered**
Chosen Option : **1**

Q.44 For the data set with the following observations, the first and second quartiles are:

20, 22, 23, 22, 23, 22, 22, 21, 19, 22, 22, 26, 23, 24, 19, 21, 22, 16

Ans
1. 20 and 22
2. 19 and 22
3. 21 and 22
4. 21 and 23

Question ID : **264330183694**
Option 1 ID : **264330720497**
Option 2 ID : **264330720499**
Option 3 ID : **264330720496**
Option 4 ID : **264330720498**
Status : **Answered**
Chosen Option : **3**

Q.45 If the correlation coefficient 'r' is 0.6 and the regression coefficient of x on y is 0.18, then the regression coefficient of y on x is:

Ans
1. 1
2. 0.18
3. 0.24
4. 2

Question ID : **264330183651**
Option 1 ID : **264330720326**
Option 2 ID : **264330720327**
Option 3 ID : **264330720324**
Option 4 ID : **264330720325**
Status : **Answered**
Chosen Option : **4**

Q.46 If p_0 and p_1 denote the prices for base and current period and q_0 and q_1 denote the quantities for base and current period, then Paasche's index number is given by:

Ans

✗ 1. $\frac{\sum p_1 q_1}{\sum p_0 q_0} . 100$

✗ 2. $\frac{\sum p_1 q_0}{\sum p_0 q_0} \times 100$

✗ 3. $\sqrt{\frac{\sum p_1 q_1}{\sum p_0 q_1}} \times 100$

✓ 4. $\frac{\sum p_1 q_1}{\sum p_0 q_1} . 100$

Question ID : **264330183759**
Option 1 ID : **264330720757**
Option 2 ID : **264330720758**
Option 3 ID : **264330720759**
Option 4 ID : **264330720756**
Status : **Answered**
Chosen Option : **4**

Q.47 Using usual notations, the correlation coefficient between two random variables, X and Y, is given by:

Ans

✗ 1. $r(X,Y) = Cov(X,Y) - \sigma_X \sigma_Y$

✗ 2. $r(X,Y) = Cov(X,Y) + \sigma_X \sigma_Y$

✓ 3. $r(X,Y) = \frac{Cov(X,Y)}{\sigma_X \sigma_Y}$

✗ 4. $r(X,Y) = \frac{\sigma_X \sigma_Y}{Cov(X,Y)}$

Question ID : **264330183646**
Option 1 ID : **264330720307**
Option 2 ID : **264330720304**
Option 3 ID : **264330720305**
Option 4 ID : **264330720306**
Status : **Answered**
Chosen Option : **3**

Q.48 A certain disease is difficult to be diagnosed and the probability of correctly diagnosing the disease is 0.6. If any patient, after the correct diagnosis, has 40% chances of dying. However, an incorrect diagnosis enhances the probability of death to 0.7. If a patient has died after the treatment, what is the probability that the disease was diagnosed correctly?

Ans

✗ 1. 7/28

✗ 2. 20/28

✓ 3. 6/13

✗ 4. 8/13

Question ID : **264330183632**
Option 1 ID : **264330720249**
Option 2 ID : **264330720248**
Option 3 ID : **264330720250**
Option 4 ID : **264330720251**
Status : **Answered**
Chosen Option : **3**

Q.49 Let X have pdf

$$f(x) = \begin{cases} \frac{3(2x-x^2)}{4} & for\ 0 \le x \le 2 \\ 0, & otherwise \end{cases},$$

then the mode is equal to:

Ans
1. ✔ 1
2. ✘ $\frac{1}{4}$
3. ✘ $\frac{3}{4}$
4. ✘ $\frac{1}{2}$

Question ID : **264330183691**
Option 1 ID : **264330720485**
Option 2 ID : **264330720487**
Option 3 ID : **264330720484**
Option 4 ID : **264330720486**
Status : **Answered**
Chosen Option : **1**

Q.50 The nutritional data about a sample of seven breakfast cereals gives the number of calories per serving as follows. The quartile deviation is equal to:

100, 80, 100,130, 110, 200, 190

Ans
1. ✘ 10
2. ✔ 45
3. ✘ 50
4. ✘ 70

Question ID : **264330183697**
Option 1 ID : **264330720508**
Option 2 ID : **264330720510**
Option 3 ID : **264330720509**
Option 4 ID : **264330720511**
Status : **Answered**
Chosen Option : **2**

Q.51 If median = 45, mean = 39.27, SD = 22.81, then the coefficient of Skewness is:

Ans
1. ✘ 0.675
2. ✘ 0.876
3. ✘ 0.405
4. ✔ −0.754

Question ID : **264330183613**
Option 1 ID : **264330720172**
Option 2 ID : **264330720174**
Option 3 ID : **264330720175**
Option 4 ID : **264330720173**
Status : **Answered**
Chosen Option : **4**

Q.52 For an asymmetric distribution, if the mean and median are 20 and 30, then the value of the mode is:

Ans
✔ 1. 40
✘ 2. 50
✘ 3. 60
✘ 4. 30

Question ID : **264330183695**
Option 1 ID : **264330720501**
Option 2 ID : **264330720502**
Option 3 ID : **264330720503**
Option 4 ID : **264330720500**
Status : **Answered**
Chosen Option : **2**

Q.53 What is the 8^{th} decile of the following data?

20, 30, 25, 23, 22, 32, 36, 18

Ans
✔ 1. 32
✘ 2. 25
✘ 3. 23
✘ 4. 30

Question ID : **264330183593**
Option 1 ID : **264330720095**
Option 2 ID : **264330720093**
Option 3 ID : **264330720092**
Option 4 ID : **264330720094**
Status : **Answered**
Chosen Option : **1**

Q.54 For the period 2016-2020, the quarterly averages of prices of a certain commodity are 3.8, 4.25, 3.85 and 4.35. The seasonal index for second quarter is equal to:

Ans
✘ 1. 132.54
✔ 2. 104.68
✘ 3. 102.56
✘ 4. 111.84

Question ID : **264330183764**
Option 1 ID : **264330720779**
Option 2 ID : **264330720778**
Option 3 ID : **264330720776**
Option 4 ID : **264330720777**
Status : **Answered**
Chosen Option : **4**

Q.55 If Mean > Median > Mode, then distribution is:

Ans
1. platykurtic ✗
2. negatively skewed ✗
3. positively skewed ✓
4. leptokurtic ✗

Question ID : **264330183717**
Option 1 ID : **264330720591**
Option 2 ID : **264330720589**
Option 3 ID : **264330720588**
Option 4 ID : **264330720590**
Status : **Answered**
Chosen Option : **3**

Q.56 A random variable X is distributed at random between the values 0 and 1 in such a way that the PDF of X is $f(x) = x^2(1-x^3)$, where k is a constant. The value of k is:

Ans
1. 5 ✗
2. 6 ✓
3. 0 ✗
4. 1 ✗

Question ID : **264330183583**
Option 1 ID : **264330720053**
Option 2 ID : **264330720054**
Option 3 ID : **264330720055**
Option 4 ID : **264330720052**
Status : **Not Answered**
Chosen Option : **--**

Q.57 Which of the following is NOT a measurement of seasonal variation?

Ans
1. Ratio-to-trend method ✗
2. Simple averages ✗
3. Graphic method ✓
4. Ratio-to-moving-average method ✗

Question ID : **264330183664**
Option 1 ID : **264330720378**
Option 2 ID : **264330720376**
Option 3 ID : **264330720377**
Option 4 ID : **264330720379**
Status : **Answered**
Chosen Option : **3**

Q.58 The intelligence quotients (IQs) of 16 students from one area of a city showed a mean of 107 and standard deviation (sd) of 10 while IQs of 14 students from another area of the city showed a mean of 112 and sd of 8. The null hypothesis to be tested is that there is significant difference between IQs of the two groups. The distribution with degrees of freedom and value of test statistic assuming that null hypothesis is true, are:

Ans

✗ 1. Chi-square distribution with 29 degrees of freedom and 1.89

✓ 2. t distribution with 28 degrees of freedom and 1.45

✗ 3. Chi-square distribution with 25 degrees of freedom and 2.65

✗ 4. t distribution with 25 degrees of freedom and 4.26

Question ID : **264330183771**
Option 1 ID : **264330720804**
Option 2 ID : **264330720806**
Option 3 ID : **264330720805**
Option 4 ID : **264330720807**
Status : **Not Answered**
Chosen Option : **--**

Q.59 If μ'_r and μ_r, respectively, denote r^{th} order moments about origin and mean, then:

Ans

✗ 1. $\mu_2 = \mu'_2 + (\mu'_1)^2$

✗ 2. $\mu_2 = \mu'_2$

✗ 3. $\mu_2 = (\mu'_1)^2$

✓ 4. $\mu_2 = \mu'_2 - (\mu'_1)^2$

Question ID : **264330183709**
Option 1 ID : **264330720558**
Option 2 ID : **264330720557**
Option 3 ID : **264330720559**
Option 4 ID : **264330720556**
Status : **Answered**
Chosen Option : **4**

Q.60 Increase in sales of a departmental store during a festival is an example of the _____ component of the time series.

Ans

✗ 1. random movement

✗ 2. irregular movement

✓ 3. seasonal variation

✗ 4. secular trend

Question ID : **264330183663**
Option 1 ID : **264330720373**
Option 2 ID : **264330720375**
Option 3 ID : **264330720374**
Option 4 ID : **264330720372**
Status : **Answered**
Chosen Option : **3**

Q.61 β_2 of normal distribution is _____.

Ans
1. 2 ✗
2. 3 ✓
3. 0 ✗
4. 1 ✗

Question ID : **264330183577**
Option 1 ID : **264330720031**
Option 2 ID : **264330720029**
Option 3 ID : **264330720028**
Option 4 ID : **264330720030**
Status : **Answered**
Chosen Option : **2**

Q.62 Primary data refers to:

Ans
1. data collected from newspapers ✗
2. information in biographies ✗
3. data collected by someone else ✗
4. the firsthand data gathered by the researcher ✓

Question ID : **264330183687**
Option 1 ID : **264330720470**
Option 2 ID : **264330720471**
Option 3 ID : **264330720469**
Option 4 ID : **264330720468**
Status : **Answered**
Chosen Option : **4**

Q.63 In the concept of base shifting, by which common factor are old index numbers multiplied in order to obtain new index numbers?

Ans
1. $\frac{100}{\text{index number of new base year}}$ ✓
2. $(100 * \text{index number of new base year})$ ✗
3. $(100 * \text{index number of new base year})^2$ ✗
4. $\frac{\text{index number of new base year}}{100}$ ✗

Question ID : **264330183661**
Option 1 ID : **264330720365**
Option 2 ID : **264330720366**
Option 3 ID : **264330720367**
Option 4 ID : **264330720364**
Status : **Answered**
Chosen Option : **1**

Q.64 For any two events A and B in sample space S, which of the following options is NOT true?

Ans

1. ✗ $P(A|S) = P(A)$
2. ✓ $P(A|B) = P(B|A)$
3. ✗ A and φ are independent.
4. ✗ A and S are independent.

Question ID : **264330183630**
Option 1 ID : **264330720243**
Option 2 ID : **264330720242**
Option 3 ID : **264330720240**
Option 4 ID : **264330720241**
Status : **Answered**
Chosen Option : **4**

Q.65 Which of the following is NOT the example of secondary data?

Ans

1. ✗ Websites
2. ✗ Books
3. ✗ Journal articles
4. ✓ Data from conducting experiments

Question ID : **264330183620**
Option 1 ID : **264330720201**
Option 2 ID : **264330720203**
Option 3 ID : **264330720200**
Option 4 ID : **264330720202**
Status : **Answered**
Chosen Option : **4**

Q.66 Let 8 be the variance of a data set. If each observation is multiplied by a constant 2 and a constant 3 is added to each observation, then the variance of the new data set is:

Ans

1. ✗ 16
2. ✓ 32
3. ✗ 35
4. ✗ 8

Question ID : **264330183696**
Option 1 ID : **264330720506**
Option 2 ID : **264330720505**
Option 3 ID : **264330720507**
Option 4 ID : **264330720504**
Status : **Answered**
Chosen Option : **2**

Q.67 The _____ is an unbiased estimator of the population mean.

Ans
1. sample mode
2. sample variance
3. sample median
4. sample mean

Question ID : **264330183672**
Option 1 ID : **264330720409**
Option 2 ID : **264330720408**
Option 3 ID : **264330720410**
Option 4 ID : **264330720411**
Status : **Answered**
Chosen Option : **2**

Q.68 If the first two raw moments of X are equal to zero, then $P(X = 0)$ is equal to:

Ans
1. 1
2. 0.75
3. 0.50
4. 0.25

Question ID : **264330183626**
Option 1 ID : **264330720227**
Option 2 ID : **264330720224**
Option 3 ID : **264330720225**
Option 4 ID : **264330720226**
Status : **Not Answered**
Chosen Option : **--**

Q.69 For a data set, the following information is obtained.

If $Q_1 = 62$, $Q_2 = 142$ and $Q_3 = 195$, then Bowley's coefficient of skewness is:

Ans
1. -0.2
2. 0.6
3. 0.9
4. -0.203

Question ID : **264330183614**
Option 1 ID : **264330720179**
Option 2 ID : **264330720177**
Option 3 ID : **264330720178**
Option 4 ID : **264330720176**
Status : **Answered**
Chosen Option : **4**

Q.70 In two-way classification, how many factors affect the values of the response variable?

Ans
1. 4 ✗
2. 1 ✗
3. 2 ✓
4. 0 ✗

Question ID : **264330183645**
Option 1 ID : **264330720303**
Option 2 ID : **264330720301**
Option 3 ID : **264330720302**
Option 4 ID : **264330720300**
Status : **Not Answered**
Chosen Option : **--**

Q.71 In case of a moderately skewed frequency distribution, the mean is 50 and the median is 53. If the coefficient of variation is 20% , then the coefficient of skewness is:

Ans
1. 0.6 ✗
2. 0.8 ✗
3. −0.9 ✓
4. 0.5 ✗

Question ID : **264330183611**
Option 1 ID : **264330720166**
Option 2 ID : **264330720167**
Option 3 ID : **264330720165**
Option 4 ID : **264330720164**
Status : **Answered**
Chosen Option : **3**

Q.72 Which of the following options represents the component(s) of a time series?

Ans
1. Trend ✗
2. Trend, periodic changes and random or irregular movements ✓
3. Periodic changes ✗
4. Random or irregular movements ✗

Question ID : **264330183662**
Option 1 ID : **264330720368**
Option 2 ID : **264330720371**
Option 3 ID : **264330720369**
Option 4 ID : **264330720370**
Status : **Answered**
Chosen Option : **2**

Q.73 Which of the following is true?

Ans
1. ✔ Mode = 3 Median − 2 Mean
2. ✘ Median = Mean + Mode
3. ✘ Mode = 2 Median − 3 Mean
4. ✘ 3Mode = 2 Median − 3 Mean

Question ID : **264330183704**
Option 1 ID : **264330720537**
Option 2 ID : **264330720536**
Option 3 ID : **264330720538**
Option 4 ID : **264330720539**
Status : **Answered**
Chosen Option : **1**

Q.74 If $x_i = \frac{i}{5} + 2$, where i = 1, 2,..., 5, then the mean of $x_1, x_2, \ldots, x_5$ is:

Ans
1. ✘ 3.6
2. ✘ 1
3. ✘ 5
4. ✔ 2.6

Question ID : **264330183589**
Option 1 ID : **264330720078**
Option 2 ID : **264330720076**
Option 3 ID : **264330720079**
Option 4 ID : **264330720077**
Status : **Answered**
Chosen Option : **4**

Q.75 Which of the following is the relative measure of dispersion?

Ans
1. ✔ Coefficient of variation
2. ✘ Variance
3. ✘ Range
4. ✘ Mean deviation

Question ID : **264330183625**
Option 1 ID : **264330720222**
Option 2 ID : **264330720221**
Option 3 ID : **264330720220**
Option 4 ID : **264330720223**
Status : **Answered**
Chosen Option : **1**

Q.76 In spearman's rank correlation coefficient, squared differences of ranks are used to:

Ans

✗ 1. find Karl Pearson's correlation coefficient

✓ 2. calculate the numerator of the correlation coefficient formula

✗ 3. calculate the denominator of the correlation coefficient formula.

✗ 4. calculate the standard error of the correlation coefficient

Question ID : **264330183750**
Option 1 ID : **264330720723**
Option 2 ID : **264330720722**
Option 3 ID : **264330720720**
Option 4 ID : **264330720721**
Status : **Answered**
Chosen Option : **4**

Q.77 If the mean of a random variable X following Poisson distribution is 3, then standard deviation of the distribution is:

Ans

✗ 1. 1

✓ 2. $\sqrt{3}$

✗ 3. 2

✗ 4. 3

Question ID : **264330183576**
Option 1 ID : **264330720024**
Option 2 ID : **264330720027**
Option 3 ID : **264330720025**
Option 4 ID : **264330720026**
Status : **Answered**
Chosen Option : **2**

Q.78 Let $f(x) = \begin{cases} 3(1-x)^2 \ for \ 0 \le x \le 1 \\ 0 \ otherwise \end{cases}$

be the probability density function of X. Then $P\left(\frac{1}{2} < X < \frac{3}{4}\right)$ is equal to:

Ans

✗ 1. $\frac{11}{64}$

✗ 2. $\frac{1}{64}$

✗ 3. $\frac{1}{32}$

✓ 4. $\frac{7}{64}$

Question ID : **264330183734**
Option 1 ID : **264330720659**
Option 2 ID : **264330720656**
Option 3 ID : **264330720657**
Option 4 ID : **264330720658**
Status : **Answered**
Chosen Option : **4**

Q.79 In a one-way classified data analysis with 'v' number of treatments and 'n' number of experimental units, then the number of degrees of freedom for the sum of squares due to error is:

Ans

✗ 1. $v-1$

✗ 2. n

✗ 3. $n-1$

✓ 4. $n-v$

Question ID : **264330183639**
Option 1 ID : **264330720276**
Option 2 ID : **264330720278**
Option 3 ID : **264330720277**
Option 4 ID : **264330720279**
Status : **Answered**
Chosen Option : **4**

Q.80 For a symmetrical distribution, we have:

Ans

✗ 1. mean > median > mode

✗ 2. mean < median < mode

✗ 3. mean < median = mode

✓ 4. mean = median = mode

Question ID : **264330183586**
Option 1 ID : **264330720067**
Option 2 ID : **264330720066**
Option 3 ID : **264330720065**
Option 4 ID : **264330720064**
Status : **Answered**
Chosen Option : **4**

Q.81 Let the probability mass function of X be given by

$$p(x) = c\frac{4^x}{x!}, \quad x = 0,1,2,3,\ldots,$$

Then c is equal to:

Ans

✗ 1. e^4

✓ 2. e^{-4}

✗ 3. e^2

✗ 4. e

Question ID : **264330183682**
Option 1 ID : **264330720448**
Option 2 ID : **264330720449**
Option 3 ID : **264330720450**
Option 4 ID : **264330720451**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.82 Analysis of one-way classified data is used to compare:

Ans
1. population standard deviations
2. population variances
3. two population means
4. several population means

Question ID : **264330183636**
Option 1 ID : **264330720267**
Option 2 ID : **264330720266**
Option 3 ID : **264330720265**
Option 4 ID : **264330720264**
Status : **Answered**
Chosen Option : **2**

Q.83 In an industry, the risk of suffering from occupational disease is 20%. The probability that out of 6 workers, four will suffer from the disease is:

Ans
1. $\frac{44}{5^6}$
2. $\frac{42}{5^6}$
3. $\frac{48}{5^5}$
4. $\frac{48}{5^6}$

Question ID : **264330183680**
Option 1 ID : **264330720441**
Option 2 ID : **264330720440**
Option 3 ID : **264330720443**
Option 4 ID : **264330720442**
Status : **Answered**
Chosen Option : **3**

Q.84 Any statistical measure calculated from a sample is known as:

Ans
1. Statistic
2. Statistics
3. Parameter
4. error

Question ID : **264330183668**
Option 1 ID : **264330720393**
Option 2 ID : **264330720394**
Option 3 ID : **264330720392**
Option 4 ID : **264330720395**
Status : **Answered**
Chosen Option : **3**

Q.85 If a biased coin is tossed 10 times, out of which head is obtained 3 times, then what is the probability of getting head on the 11^{th} toss?

Ans

✗ 1. 1/2

✗ 2. 7/10

✓ 3. 3/10

✗ 4. 3/11

Question ID : **264330183627**
Option 1 ID : **264330720230**
Option 2 ID : **264330720229**
Option 3 ID : **264330720228**
Option 4 ID : **264330720231**
Status : **Answered**
Chosen Option : **3**

Q.86 If the mean deviation of X from mean is m, then the mean deviation of Y = aX + b is:

Ans

✗ 1. am + b

✗ 2. M

✓ 3. |a|m

✗ 4. am

Question ID : **264330183698**
Option 1 ID : **264330720514**
Option 2 ID : **264330720513**
Option 3 ID : **264330720515**
Option 4 ID : **264330720512**
Status : **Answered**
Chosen Option : **4**

Q.87 For one-way classified data, let

x_{ij}: i^{th} observation corresponding to j^{th} treatment,

$i = 1,2,\dots,n_j, \qquad j = 1,2,\dots,k$

$\bar{x}_j$: mean of j^{th} treatment,

$\bar{x}$: $\frac{T}{N}$ where $N = \sum_{j=1}^{k} n_j$ and T: total of all observations,

Then the sum of squares within groups (SSW) is calculated as:

Ans

✔ 1. $\sum_{j=1}^{k}\sum_{i=1}^{n_j}\left(x_{ij} - \bar{x}_j\right)^2$

✘ 2. $\sum_{j=1}^{k} n_j\left(\bar{x}_j - \bar{x}\right)^2$

✘ 3. $\sum_{j=1}^{k} \left(\bar{x}_j - \bar{x}\right)$

✘ 4. $\sum_{j=1}^{k}\sum_{i=1}^{n_j}\left(x_{ij} - \bar{x}\right)^2$

Question ID : **264330183739**
Option 1 ID : **264330720676**
Option 2 ID : **264330720678**
Option 3 ID : **264330720679**
Option 4 ID : **264330720677**
Status : **Answered**
Chosen Option : **1**

Q.88 In a randomised block design, if 't' number of treatments are replicated 'r' times, then the number of degrees of freedom for the total sum of squares is:

Ans

✘ 1. $(t-1)(r-1)$

✘ 2. $r-1$

✘ 3. rt

✔ 4. $rt-1$

Question ID : **264330183642**
Option 1 ID : **264330720289**
Option 2 ID : **264330720288**
Option 3 ID : **264330720291**
Option 4 ID : **264330720290**
Status : **Answered**
Chosen Option : **1**

Q.89 For observations 1, 2, 3, 4, 5, 6, 7, 8, the harmonic mean is equal to:

Ans
1. 2.27
2. 4.21
3. 2.94
4. 3.14

Question ID : **264330183692**
Option 1 ID : **264330720489**
Option 2 ID : **264330720491**
Option 3 ID : **264330720490**
Option 4 ID : **264330720488**
Status : **Not Answered**
Chosen Option : **--**

Q.90 If X has the probability density function

$$f(x) = \begin{cases} cx \\ 0, \text{ otherwise} \end{cases}, 1 \leq x \leq 5 \ ,$$

then median is:

Ans
1. $\sqrt{12}$
2. $\sqrt{13}$
3. $-\sqrt{13}$
4. $\sqrt{11}$

Question ID : **264330183719**
Option 1 ID : **264330720597**
Option 2 ID : **264330720598**
Option 3 ID : **264330720599**
Option 4 ID : **264330720596**
Status : **Answered**
Chosen Option : **1**

Q.91 Using usual notations for a completely randomised design with 'v' number of treatments and 'n' number of experimental units, the mean sum of squares due to treatments is calculated by:

Ans
1. $\frac{Sum\ of\ squares\ due\ to\ treatments}{n-v}$
2. $\frac{Sum\ of\ squares\ due\ to\ treatments}{v-1}$
3. $\frac{Sum\ of\ squares\ due\ to\ treatments}{n-1}$
4. $\frac{Total\ sum\ of\ squares}{v-1}$

Question ID : **264330183644**
Option 1 ID : **264330720298**
Option 2 ID : **264330720296**
Option 3 ID : **264330720299**
Option 4 ID : **264330720297**
Status : **Answered**
Chosen Option : **2**

Q.92 In Spearman's rank correlation coefficient $r_s = 1 - \frac{6\sum_{i=1}^{n} d_i^2}{n(n^2-1)}$, the maximum value of $\sum_{i=1}^{n} d_i^2$ in case of untied ranks is:

Ans

✗ 1. n

✗ 2. $\frac{1}{2}(n^2-1)$

✗ 3. $\frac{1}{4}n(n^2-1)$

✓ 4. $\frac{1}{3}n(n^2-1)$

Question ID : **264330183648**
Option 1 ID : **264330720315**
Option 2 ID : **264330720314**
Option 3 ID : **264330720313**
Option 4 ID : **264330720312**
Status : **Answered**
Chosen Option : **4**

Q.93 Which of the following holds for mean squared deviation (MSD)?

Ans

✗ 1. It is different from the mean squared error.

✗ 2. It has lesser value with an increase in model error.

✗ 3. It is positive if model has no error.

✓ 4.
It assesses the average squared difference between the observed and predicted values.

Question ID : **264330183700**
Option 1 ID : **264330720520**
Option 2 ID : **264330720521**
Option 3 ID : **264330720523**
Option 4 ID : **264330720522**
Status : **Answered**
Chosen Option : **4**

Q.94 For a set of observations, the mean is 8 and standard deviation is 3, then the coefficient of dispersion is equal to:

Ans

✓ 1. 37.5

✗ 2. 20.3

✗ 3. 27.2

✗ 4. 32.7

Question ID : **264330183703**
Option 1 ID : **264330720532**
Option 2 ID : **264330720535**
Option 3 ID : **264330720534**
Option 4 ID : **264330720533**
Status : **Answered**
Chosen Option : **1**

Q.95 The class boundaries for the class interval 60-62 in a frequency distribution table are:

Ans
1. 60 and 62.5
2. 59 and 62.5
3. 59.5 and 62.5
4. 59.5 and 62

Question ID : **264330183721**
Option 1 ID : **264330720607**
Option 2 ID : **264330720605**
Option 3 ID : **264330720604**
Option 4 ID : **264330720606**
Status : **Answered**
Chosen Option : **3**

Q.96 The standard deviation of a symmetrical distribution is 3. What must be the value of the fourth moment about the mean for the distribution to be mesokurtic?

Ans
1. 264
2. 243
3. 206
4. 145

Question ID : **264330183606**
Option 1 ID : **264330720147**
Option 2 ID : **264330720146**
Option 3 ID : **264330720145**
Option 4 ID : **264330720144**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.97 For a data set with 24 observations given below, the median is:

10, 11, 13, 13, 18, 20, 22, 22, 24, 24, 25, 29, 30, 31, 35, 37, 37, 37, 46, 51, 54, 55, 61, 64

Ans
1. 35.4
2. 43.1
3. 31.3
4. 29.5

Question ID : **264330183690**
Option 1 ID : **264330720482**
Option 2 ID : **264330720483**
Option 3 ID : **264330720481**
Option 4 ID : **264330720480**
Status : **Answered**
Chosen Option : **4**

Q.98 Index numbers are used to indicate changes in _____ over a specified time.

Ans
1. measures of central tendency and dispersion
2. prices, sales, industrial production, imports and exports of different commodities, cost of living, etc.
3. correlation and regression analysis
4. skewness and kurtosis

Question ID : **264330183656**
Option 1 ID : **264330720346**
Option 2 ID : **264330720345**
Option 3 ID : **264330720347**
Option 4 ID : **264330720344**
Status : **Answered**
Chosen Option : **2**

Q.99 If P_R and P_B denote prices for the reference and base periods, then simple index number is given by:

Ans
1. $(P_R + P_B).100$
2. $\frac{P_B}{P_R}.100$
3. $\frac{P_R}{P_B}.100$
4. $P_R.P_B.100$

Question ID : **264330183757**
Option 1 ID : **264330720751**
Option 2 ID : **264330720749**
Option 3 ID : **264330720748**
Option 4 ID : **264330720750**
Status : **Answered**
Chosen Option : **3**

Q.100 If X is the number of 6s obtained in 10 throws of a die, then the variance of X is:

Ans
1. 25/18
2. 4/13
3. 5/3
4. 25/9

Question ID : **264330183579**
Option 1 ID : **264330720038**
Option 2 ID : **264330720039**
Option 3 ID : **264330720036**
Option 4 ID : **264330720037**
Status : **Not Answered**
Chosen Option : **--**