# ☑ eExam Question Bank

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| ☐ | Question Type ⬇ | Question ↕ | A ↕ | B ↕ | C ↕ | D ↕ | Answer ↕ | Remark ↕ |
|---|---|---|---|---|---|---|---|---|
| ☐ | FBQ | In the age distribution of Receipients of Nursing scholarship of 25, 21, 22, 20, 19, 30, 27, 28, 32 and 18. The variance is [ ] ___. (Hint: use $$\S^2 = \sum (X - \bar{X})^2$$ | 215.6 | two hundred and fifteen point six | | | | eExam |
| ☐ | FBQ | If X=10, 12, 8, 7, 5. $$\sum_{i=1}^{5} X_i$$ is [ ] | 42 | forty two | | | | eExam |
| ☐ | FBQ | Let Y = 2, 5, 6, 7. $$\sum_{j=1}^{4} Y_j$$ has the value [ ] | 114 | one hundred and fourteen | | | | eExam |
| ☐ | FBQ | Take X = 29, 27, 28, 30, 35. $$\bar{X}$$ is [ ] | 29.8 | twenty nine point eight | | | | eExam |
| ☐ | FBQ | One Precaution in correlation is that [ ] | Correlation is not a causation | | | | | eExam |

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| ☐ | FBQ | The scores obtained by 10 students in a practical class are as follows: 20, 50, 30, 40, 60. The mean score is | 50 | fifty | | | | eExam |
| ☐ | FBQ | In the distribution having classes 0-4 5-9 10-14 15-19 20-24 . . . The upper class boundary for class 3 is | 14.5 | fourteen point five | | | | eExam |
| ☐ | FBQ | Mean, Median and Mode are measures of | Location | | | | | eExam |
| ☐ | FBQ | In attitude test, the scores for 5 newly students are as stated here, Attitude: 5, 4, 3, 2, 1. The percentage attributable to attitude of score 3 is | 0.2 | twenty percent | | | | eExam |
| ☐ | FBQ | Cluster Sampling is one whose members are | Homogeneous | | | | | eExam |
| ☐ | FBQ | Systematic Sampling is _____ random sampling method | Pseudo | | | | | eExam |
| ☐ | FBQ | Simple Random Sampling (SRS) is one for which each possible sample is _____ likely to be selected | Equally | | | | | eExam |
| ☐ | FBQ | The sample characteristics is | Statistics | | | | | eExam |
| ☐ | FBQ | _____ is An example of population characteristics | Parameter | | | | | eExam |

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| ☐ | | | | | | | | |
| ☐ | FBQ | Statistics is the [____] that deals with data collection, and summarising facts which are expressible in numerical form | Science | | | | | eExam |
| ☐ | MCQ | The following data were collected on ten infants. Fin the standard error, $\[S_{yx}\]$. Where $\[S_{yx}^2 = \sum_{i=1}^{10} (y_{i} - \hat{y_{i}})^2\]$ and $\[y_{i}\]$ are the observed values , $\[\hat y_{i}\]$ are the predicted values | $\[S_{yx} = 5.75\]$ | $\[S_{yx} = 4,75\]$ | $\[S_{yx} = 2.75\]$ | $\[S_{yx} = 3.75\]$ | D | eExam |
| ☐ | MCQ | Given the general form of linear equation $\[y = b + b_{1}X\]$. If $\[b_{1} > 0\]$, then the line slopes | downward | upward | flat | parallel | A | eExam |
| ☐ | MCQ | Consider Attitude Scores for five newly admitted Nursing students towards alcoholic patients below: Attitude: 5, 4, 3, 2, 1 . The percentage due to attitude 3 is _____ | 0.5 | 0.4 | 0.2 | 0.3 | C | eExam |
| ☐ | MCQ | The data below represent systolic blood pressure readings (mm Hg), using Spearman's Rank Order Correlation method, determine correlation coefficient $\[r_{s}\]$ of the two readings. | $\[r_{s} = 0.23\]$ | $\[r_{s} = -0.32\]$ | $\[r_{s} = 0.32\]$ | $\[r_{s} = -0.23\]$ | D | eExam |
| ☐ | MCQ | Determine Correlation Coefficient 'r' using the above values or from your direct-calculation | 0.9 | 0.91 | 0.95 | 0.92 | A | eExam |
| ☐ | MCQ | Find the value of $\[S_{w_1w_2}\]$ in question one above | 4135 | 4235 | 4335 | 4325 | D | eExam |
| ☐ | MCQ | From the above, evaluate $\[S_{w_2w_2}\]$. | 2440 | 2410 | 2420 | 2430 | B | eExam |

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| ☐ | MCQ | This is for Questions 1 to 4. Two weekly scores of a students are as below <> . Find $\[\S_{w1w1}\]$ | 6250.25 | 6150.5 | 6312.5 | 6300.5 | C | eExam |
| ☐ | MCQ | Given that X = 20, 30, 40, 50, 60. Find $\[\bar X \]$. | 40, | 30, | 35 | 45 | A | eExam |
| ☐ | MCQ | Consider this distribution 12, 20, 13, 15, 17, 15, 18. Find $\[\bar X_{m}\]$, where $\[\bar X_{m}\]$ is as earlier defined. | 9 | 11 | 13 | 15 | D | eExam |
| ☐ | MCQ | Let $\[\bar X_{m}\]$ be the Median Score, Determine $\[\bar X_{m}\]$ in 15, 13, 15, 12, 12, 16, 15, 14, 13 | 10 | 12 | 14 | 16 | C | eExam |
| ☐ | MCQ | Suppose $\[X_{m}\]$ is the Mode. Find $\[X_{m}\]$ in 15, 13, 15, 12, 12, 16, 15, 14, 13. | 11 | 13 | 15 | 17 | C | eExam |
| ☐ | MCQ | Suppose X = 10, 12, 8, 7, 5. Find the value of $\[(\sum_{i=1}^{5} X_{i}-2)^2\]$ | 204 | 214 | 224 | 234 | D | eExam |
| ☐ | MCQ | Determine $\[(\sum_{i=1}^{5} X_{i})^2\]$ if X = 10, 12, 8, 7, 5 | 1265 | 1764 | 1785 | 1951 | B | eExam |
| ☐ | MCQ | Let Y = 2, 5, 6, 7. Find $\[\sum_{j=1}^{4} Y_{j}\]$ | 114 | 120 | 125 | 141 | A | eExam |
| ☐ | MCQ | If X=10, 12, 8, 7, 5 Determine $\[\sum_{i=1}^{5} X_{i}\]$ | 40 | 41 | 42 | 43 | C | eExam |
| ☐ | MCQ | Given that X = 20, 30, 40, 50, 60. Find $\[\bar X \]$. | 40, | 30, | 35 | 45 | A | eExam |
| ☐ | MCQ | Consider this distribution 12, 20, 13, 15, 17, 15, 18. Find $\[\bar X_{m}\]$, where $\[\bar X_{m}\]$ is as earlier defined. | 9 | 11 | 13 | 15 | D | eExam |
| ☐ | MCQ | Let $\[\bar X_{m}\]$ be the Median Score, Determine $\[\bar X_{m}\]$ in 15, 13, 15, 12, 12, 16, 15, 14, 13 | 10 | 12 | 14 | 16 | C | eExam |

| ☐ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ☐ | MCQ | Suppose $[ X_{m}]$ is the Mode. Find $[X_{m}]$ in 15, 13, 15, 12, 12, 16, 15, 14, 13$]$ | 11 | 13 | 15 | 17 | C | eExam |

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