# ICS Part 2 Statistics Online Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | A sample is usually selected by_____. | A. With<br>B. Without<br>C. Finite<br>D. Infinite |
| 2 | Random sampling provide reliable _____. | A. Samples<br>B. Units<br>C. Estimates<br>D. Frame |
| 3 | A population is called _____ if it includes an unlimited number of sampling units. | A. Finite<br>B. Infinite<br>C. Statistic<br>D. None of these |
| 4 | Another name of probability sampling is_____ sampling. | A. Random<br>B. Non-random<br>C. Error<br>D. Bias |
| 5 | Study of the population is called_____. | A. Parameter<br>B. Error<br>C. Statistic<br>D. Census |
| 6 | The difference between a statistic and the parameter is called_____. | A. Random<br>B. Non-random<br>C. Sampling error<br>D. Probability |
| 7 | The descriptive measures of a population are called_____. | A. Census<br>B. Parameter<br>C. Statistics<br>D. Bias |
| 8 | List of all the units of the population is called_____. | A. Random sampling<br>B. Bias<br>C. Sampling frame<br>D. Probability sampling |
| 9 | Sample is a sub-set of _____. | A. Population<br>B. Data<br>C. Set<br>D. Distribution |
| 10 | In a normal distribution $\beta_1 = 0$ and $\beta_2 = $ _____. | A. 2<br>B. 4<br>C. 3<br>D. 5 |
| 11 | The normal distribution is represented as_____ | A. $N(\mu,\sigma^2)$<br>B. $N(n,p)$<br>C. $N(0,\sigma^2)$<br>D. None of these |
| 12 | All odd ordered moments about mean are _____ in a normal distribution. | A. Zero<br>B. Unity<br>C. Positive<br>D. Negative |
| 13 | In a normal distribution,_____ $= \mu + 0.64745\,\sigma$ | A. $Q_1$<br>B. $Q_3$<br>C. $\mu$<br>D. $\sigma$ |
| 14 | For normal distribution mean always lies between. | A. Median and mode<br>B. Median and $Q_1$<br>C. Median and $Q_3$<br>D. None of these |
| 15 | $\mu - 2\sigma$ to $\mu + 2\sigma$ contains approximately_____ area. | A. 75%<br>B. 50%<br>C. 95.45%<br>D. 99.73% |

| 16 | The maximum ordinance of the standard normal Curve is at Z = _____. | A. 1.96<br>B. 2.33<br>C. 1<br>D. 0 |
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| 17 | If X - N (50,25), then=σ = _____. | A. 3<br>B. 5<br>C. 25<br>D. 50 |