

Guru Nanak College, Dhanbad

Department of Economics

Online Mid Semester Internal Test

Semester- VI (DSE IV–A) 2017-20

ECONOMETRICS

Sub: Economics

Time: 45 min.

Full Marks: 50

All questions are compulsory. 2×25=50

1. Which of the following is a Subset of Population?
(a) Distribution (b) Sample (c) Data (d) Set.
2. The Sampling error is defined as --
(a) Difference between population and parameter.
(b) Difference between Sample and parameter.
(c) Difference between Population and Sample.
(d) Difference between parameter and Sample.
3. Sampling error increase as we increase the sampling size---
(a) True, (b) False
4. Full form of **OLS**.
(a) Ordinary least Square Method
(b) Ordinary least Statistical Method
(c) Ordinary least Sample Method
(d) Both b and c
5. Student 't' test was formulate by-
(a) Willian sealy Gosset (b) Cari friedrick Gauss
(c) Durbin Watson (d) both b and c
6. The statistical properties of **OLS** estimators are--
(a) Linearity, Unbiasedness, and Minimum Variance,
(b) Linearity and Unbiasedness,
(c) Unbiasedness, (d) None of these.
7. The Cluster Sampling, Stratified Sampling Or Systematic Sampling are types of-----
(a) Direct Sampling (b) Indirect Sampling
(c) Random Sampling (d) Non- Random sampling
8. The Standard deviation of the sampling distribution of any Statistic is called?
(a) Sampling error (b) Type I error
(c) Non- Sampling error (d) Standard error.
9. The Probability of a type I error is determined by ----
(a) The researcher (b) The Sample Size
(c) Both a & b (d) None of these.
10. Full Form of **BLUE**.
(a) Best Linear Unbiased Estimator,
(b) Best linear Unconditional Estimator,
(c) Basic linear unconditional Estimator,
(d) Both b & c.

11. What is U_j ?
- (a) Error term (b) Disturbance term
(c) Both a & b (d) None of these.
12. Method of ordinary least Square is attributed to ---
- (a) Carl Friedrich Gauss (b) William Sealy Gosset
(c) Durbin Watson (d) both b and c
13. Standard error of an estimator is a measure of ----
- (a) Population Estimator, (b) Precision of the Estimator,
(c) Power of the Estimator
(d) Confidence interval of the Estimator
14. multicollinearity is limited to ----
- (a) Cross-section data (b) Time series data
(c) Pooled data (d) All of the above
15. Which of these distributions is used for a testing hypothesis ?
- (a) Normal distribution (b) Chi-squared distribution
(c) Gamma distribution (d) Poisson distribution
16. In confidence interval estimation $(\alpha) = 5\%$ this means that this interval includes the true β with probability of ----
- (a) 5%, (b) 50%, (c) 95%, (d) 45%
17. In regression model with Multicollinearity being very high the estimator ?
- (a) Are Unbiased (b) Are Consistent
(c) Standard error are correctly estimated (d) All of above.
18. Multicollinearity is essentially a _____
- (a) Sample Phenomenon, (b) Population phenomenon,
(c) Both a & b, (d) None of these.
19. What is meaning of the term " **Heteroscedasticity** " ?
- (a) The variance of the dependent variable is not constant.
(b) The variance of the error is not constant.
(c) The error not linearly independent of one another.
(d) The error have non- zero mean.
20. Suppose we want to make a voter list for the general election 2019 then we require _____
- (a) sampling error, (b) Random error,
(c) census, (d) simple error.
21. The mean of Autocorrelated 'U' is _____
- (a) Equal to 1 , (b) Equal to -1,
(c) Equal to 0 , (d) Equal to ∞ ,
22. Multicollinearity does not effect the Unbiasedness property of while method.
- (a) GLS method (b) OLS method
23. We use 't' test when the Sample is _____
- (a) Large (b) Small
(c) Greater than 30 (d) Less than 30

24. Full form of d.f is 't' test ?

- (a) Discrete frequency
- (b) Degree of freedom
- (c) Differential function
- (d) Difference function.

25. Negative Residual autocorrelation is indicated by which one of the following ?

- (a) A cyclical pattern in the residual,
- (b) An alternating pattern in the residual,
- (c) A complete randomness in the residual,
- (d) Residual is that one all close to zero.