# 1. The shape of standard normal variate depends upon

- · 1.Mean
- 2.Standard deviation
- 3. Quartile deviation
- 4. Mean deviation

### Both 1 and 2

- 2. Both 2 and 3
- 3. 1,2 and 3
- 4. 2,3 and 4

# 2. Match the following in List - I and List - II and answer from the code given

- (a) Sampling distribution ~
- > (i) Poisson distribution
- (b) Discrete distribution (ii) Chi-Square (χ2) distribution
- (c) Measures of central tendency (iii) Non probability based sampling
- (d) Purposive sampling -
- (iv) Mode

## Code:

- (a) (b) (c) (d)
- (1) (i) (ii) (iii) (iv)
- (2) (iii) (i) (ii) (iv)

## (iii) (i) (iv) (iii)

3.In quantitative research paradigm which of the following sampling methods are given preference?

- A.Simple random sampling
- Stratified sampling
- C.Quota sampling
- D.Snowball sampling
- systematic sampling

Choose the correct answer from the options given below.

# 4. Which of the following is correct?

- 1.Large sample, n>30
- 2.Small sample, n<20 yd
- 3.Probability of type I error is also called significance level of least
- 4. Accepting the null hypothesis, when it is false is called type II error

Select the correct answer using the codes given below.

- 1. 1,2 and 3
- 2. 2,3 and 4
- 3 1,3 and 4
  - All of these

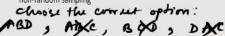
#### 5. Which of the following are CORRECT?

A.If observations are selected purposively, it is called a method of non-random

B.If observations are selected in an ad-hoc manner, it is called a method of nonrandom sampling

C.If observations are selected in a systematic manner it is called a method of nonrandom sampling

♣observations are selected on the basis of judgment, it is called a method of non-random sampling



6. In a college there are 1200 students among them 400 from humanities 500 from Science and 300 from commerce stream, which of the following will be the most appropriate sampling method?

- (1) Simple random sampling
- (2) Cluster sampling

(2) Stratified random sampling

- (2) Cluster sampling (2) Stratified random sampling (4) Systematic sampling
- 7. Match the items in List-I and List-II and answer from the codes given below:
- (a) Standard Deviation
- (i) Positively skewed distribution (ii) Analysis of attributes
- (b) Stratified Random Sampling
- (iii) Measure of dispersion
- (c) Coefficient of Association (d) Mean > Mode
- (iv) Probability based sampling

Codes:

- (a) (b) (c) (d)
- (1) (iv) (ii) (iii) (i)
- (2) (i) (ii) (iii) (iv)
- (3) (iv) (iii) (ii) (i)

(iii) (iv) (ii) (i)

.Given the following information match the item in List - I with List 5 choose List - I List - II a. Rejecting H<sub>0</sub>, if it 1. β error a) is true b. Accepting H<sub>0</sub>, if it 2. Standard **b**) error is false c. Probability of 3. a error C rejecting H<sub>0</sub>, when it is false d. Measuring 3 sampling error

13.In a multiple linear regression with independent variables, the overall regression's significance is to be tested. Which test would be used?

variability due to

- 1. Z test
- 2. F test
- 3. Chi-square test
- 4. t-test
- 15.Match the following.

A.Contingency table	1.Stationarity
B.Unit root test	2.Causality
C.Fisher's test	3.Chi-square test
D.Granger test	4.Test of significance of overall regression

16. If two events A and B are mutually exclusive then which one of the following is correct?

(1)P(A+B)=P(A)+P(B)

(2) P(AB)=P(A)·P(B) < →

(3) P(AB)=P(A)/P(B)

(4) P(A/B)=P(A)-P(B)

17. The area between –  $3\sigma$  and +  $3\sigma$  under standard normal curve is

(1)1

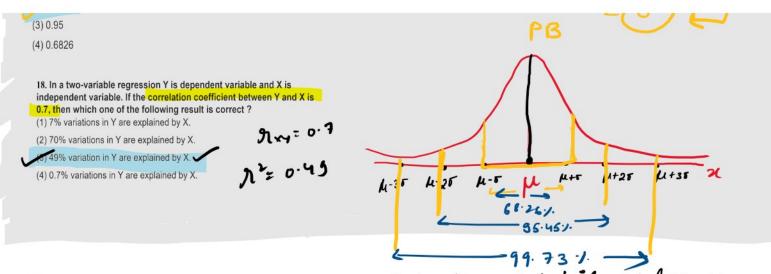
(2) 0.9973

(3) 0.95

(4) 0.6826

P(AIB) = P(ANB





\* fisher's method of constructing index is eased "ideal" ducause 1. It is based on am which is Theoretically considered to be the best overage for constructing index numbers.

2. It satisfies both the time serveral and factor several

3. It takes into account both current and base year

4. It is for from boas.

Choose the correct opinion:

(A) 2 and 3.

(6) 1 and 2.

(c) 1, 2 and 3.

(d) 1, 2, 3 and 4.

of ) Assertion (A): 4DP does not exhibit the efecution of the product. Reson (R): If the invuse in GDP is mainly due to invused production of war equipment and a mountion, then such an increase cannot improve wellfare in economy.

Both A and R are true A and R are true leut Risnot the corrut explaination of A

A is I seed level R is false.

A is true but R is false. 4. Ais false but Ristene. Q'y Identify the Correct pair Devaluation Reduction in doones tie ceuring sy the govt. Appreciation **Q**. Increase in value of aurrency through gort Depucation

- Through market

4.

corrut explaination of #