



WORKSHEET-27

SUBJECT - STATISTICS

Term : 2nd

Topic – Sampling Full Marks: 15

Class: XII Date:21 .11. 2020

- Q1. Select the correct alternative of the following questions.
 - (i) The standard error of sample mean in SRSWR is

(a) $\frac{\sigma}{\sqrt{n}}$ (b) $\frac{\sigma}{\sqrt{n}} \sqrt{\frac{N-n}{N-1}}$ (c) 0 (d) none of these

- (ii) The standard error of sample mean in SRSWOR is
 - (a) $\frac{\sigma}{\sqrt{n}}$ (b) $\frac{\sigma}{\sqrt{n}} \sqrt{\frac{N-n}{N-1}}$ (c) 0 (d) none of these

(iii) The standard error of sample proportion in SRSWR is

(a)
$$\frac{\sqrt{p(1-p)}}{\sqrt{n}}$$
 (b) $\frac{\sqrt{p(1-p)}}{\sqrt{n}} \sqrt{\frac{N-n}{N-1}}$ (c) 0 (d) none of these

- (iv) The standard error of sample proportion in SRSWR is
 - (a) $\frac{\sqrt{p(1-p)}}{\sqrt{n}}$ (b) $\frac{\sqrt{p(1-p)}}{\sqrt{n}} \sqrt{\frac{N-n}{N-1}}$ (c) 0 (d) none of these
- (v) In purpose sampling all the population units have probability of selection
 (a) same
 (b) some
 (c) 1
 (d) none of these
- (vi) In SRSWR all the sample units are(a) independent (b)dependent (c)partially dependent(d) none of these
- (vii) In SRSWOR all the sample units are(a) independent (b)dependent (c)partially dependent(d) none of these

(viii)	In SRSWR Covariance between two sample units is			
	(a) -1	(b)0	(c)1	(d) none of these
(ix)	In SRSWOR Covariance between two sample units is			
	(a) -1	(b)0	(c)1	(d) none of these
(x)	In SRSWR the the population units in sample proportion follows			
	(a) binomial	(b)rectangular	(c)normal	(d) none of these
(xi)	In SRSWOR the the population units in sample proportion follows			
	(a) binomial	(b)rectangular	(c)normal	(d) none of these
(xii)	The total number of possible samples of size 2, drawn from a population of size 5 in SRSWR is			
	(a) 5	(b)16	(c)25	(d) none of these
(xiii)	Bias due to wrong selection of statistic is (a) sampling bias(b) nonsampling bias(c)both (d) none of the			
(XIV)	Bias due to w (a) sampling	vrong response is bias(b) nonsampling l	(d) none of these	
(xv)	Stratified sampling means haphazard sampling			
	(a) true	(d)faise	(c)sometime	es true (d) none of these

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