

Note: - You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number in your answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

SECTION-A

Q.1	Questions	A	B	C	D
1.	If $Z \sim N(0,1)$ then $P(Z < 0)$ is:	1	0.25	0.5	4
2.	If $X \sim N(100, 25)$ then standard deviation is:	5	25	10	50
3.	What is β_1 , if $Z \sim N(0,1)$?	50	2	1	0
4.	Any value calculated from sample is called:	Parameter	Statistic	$\bar{X}$	$\sigma_{\bar{X}}$
5.	Find σ_p^2 , if $n = 2$, $\mu_p = \frac{1}{3}$ and sampling with replacement.	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{1}{9}$	$\frac{1}{4}$
6.	A complete list of all sampling units is called:	Sampling design	Sampling frame	Population frame	Cluster
7.	The main types of statistical inference.	One	Three	Two	Five
8.	An estimator is a:	Constant	Finite	Non-random variable	Random variable
9.	Power of test is denoted by:	β	$1 - \beta$	α	$1 - \alpha$
10.	If $b_{yx} = 0.8$, $b_{xy} = 0.2$, then r is:	0.16	-0.16	-0.4	0.4
11.	If $3y = 3x + 4$, then b_{yx} is:	1	2	$\frac{2}{3}$	$\frac{4}{3}$
12.	When b_{yx} is positive, then b_{xy} will be:	Negative	Zero	Positive	One
13.	The components of time series are:	Three	Two	One	Four
14.	Seasonal variations are periodic in:	Analysis	Nature	Pattern	Random
15.	For a contingency table of order $r \times c$ the number of degree of freedom is:	rc	$(c-1)(r)$	rn	$(r-1)(c-1)$
16.	If $n = 1024$, $(B) = 324$, then (β) is:	700	600	724	540
17.	The base of octal system is:	2	6	8	10