

## NAT-IGS General Science Statistics Hard Test

Sr	Questions	Answers Choice
1	If 1- $a = 0.90$ , then value of $Z_{a-2}$ is	A. 1.96 B. 2.575 C. 1.645 D. 2.326
2	Var (2x ± 3) is	A. 5 var (x) B. 12 var (x) C. 4 Var (x) D. None of these
3	For one-tailed test, when a = 0.05 then value of z is	A. 1.645 B. 1.96 C. 2.33 D. 2.58
4	Standard deviation is calculated from harmonic mean:	A. Always B. Never C. Often D. None of them
5	The probability of red card out of 52 cards is:	A. 1/4 B. 1/2 C. 4/52 D. Zero
6	The electronic and mechanical components of a computer are known as:	A. Computer software B. Computer hardware C. Both a and b D. None of these
7	If a pair of dice is rolled then the sample space consists of outcomes	A. 6 B. 12 C. 36 D. 24
8	If any value is zero in the data then it is impossible to calculate:	A. Arithmetic mean B. Geometric mean C. Mode D. Median
9	The probability of sure event is	A. Zero B. Negative C. One D. Less than one
10	y = ax + b, then mode (y) =	A. Mode (x) a B. Mode (x) + b C. a mode (x) D. None of these
11	The correlation coefficient would be	A. 1.95 B1.95 C. 0.95 D. None of these
12	If $y = 5x + 10$ and x is N(10,25) then mean of y is:	A. 50 B. 60 C. 70 D. 135
13	For r x c contingency table the number if degrees of freedom equals	A. (r - 1) + ( c - 1) B. (r - 1) (c - 1) C. 1 D. (r x c) - 1
14	In the tossing of two perfect coins to probability at least one head occur is:	A. 2/2 B. 1/4 C. 3/4 D. 1
15	Set of electronic instruction is	A. Hardware B. Software C. Ouput device D. None of these

16	In binomial experiment each trail has:	A. One outcome B. Two outcome C. Three outcome D. Four outcome
17	The complete list of all sampling units	A. Sample B. Sampling frame C. Sample design D. Sampling error
18	In binomial distribution:	A. Mean = variance B. Mean > variace C. Mean < variance D. Zero
19	If $b_{yx} < 0$ and $b_{xy} < 0$ then "r"	A. =0 B. <0 C. >0 D. <sup>1</sup> 0
20	Sum of the random errors is equal to:	A. 3 B. 2 C. 1 D. 0