NAT-IGS General Science Statistics Hard Test

Sr	Questions	Answers Choice
1	In a normal distribution $S^2 = 5$ them m_4 is	A. 25 B. 75 C. 0
2	If right tail is longer than the left tail, then distribution is called:	A. Negatively skewed B. Positively skewed C. Symmetrical D. None of these
3	The sum of values divided by their numbers is called	A. Mode B. Median C. Mean D. G.M
4	The probability of red card out of 52 cards is:	A. 1/4 B. 1/2 C. 4/52 D. Zero
5	The complete list of all sampling units	A. Sample B. Sampling frame C. Sample design D. Sampling error
6	Sum of the random errors is equal to:	A. 3 B. 2 C. 1 D. 0
7	In binomial distribution trails are:	A. Independent B. Dependent C. Both D. None of these
8	Probability of an event always lies between	A. -1 and +1 B. -1 and 0 C. 0 and 1 D. 0 and ∞
9	Given var (x) = 3 and var (y) = 5.1 f x and y are independent variables then var (x- y)=	A. -2 B. 8 C. 24 D. 2
10	A binomial random variable can assume only the values	A. 1,2,3.........n B. 0,1,2............<strike>y</strike> C. 0,1,2...........n D. None of these
11	If any value is zero in the data then it is impossible to calculate:	A. Arithmetic mean B. Geometric mean C. Mode D. Median
12	The parameters of the binomial distribution are:	A. p and q B. q and n C. n and p D. n,p and q
13	Is a normal distribution $\mu = 10$ and $\sigma^2 = 25$ the mode is	A. 5 B. 10 C. 25 D. 100
14	Two attributes are independent if	A. (AB) = (A)(B) / N B. (AB) ¹ (A)(B) / N C. (AB) > (A)(B) / N D. (AB) < (A)(B) / N
15	The average value of the lower and upper limits of a class is called:	A. Class boundry B. Class frequency C. Mid point D. Class interval

16	For positively skewed binomial distribution	A. p = 0 B. p < 0.5 C. p > 0.5 D. p = 0.5
17	The hypothesis which is tested for possible rejection is called	A. Null hypothesis B. Alternative hypothesis C. Wrong hypothesis D. None of these
18	Normal distribution is	A. Lepto kurtic B. Platy kutic C. Meso kuritc D. None of these
19	if m = 130, $\hat{X}$ = 150, s = 5, n = 10, what test statistic is appropriate?	A. Z B. t C. X^2 D. F
20	The standard deviation of any sampling distn is called	A. Sampling error B. Non-sampling error C. Standard error D. Type 1 error