PAPER CODE - 6181

DGK-11-18

(11th CLASS – 12018)

STATISTICS (NEW COURSE)
ACADEMIC SESSION : 2015 – 2017 TO 2017 - 2019

TIME: 20 MINUTES
MARKS: 17

OBJECTIVE

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. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

QUESTION NO. 1

1 A single numerical fact is called
(A) Statistics (B) Variable (C) Datum (D) Data

2 The process of arranging data into rows and columns is called
(A) Tabulation (B) Classification (C) Grouped data (D) Frequency distribution

3 A pie diagram is represented by
(A) Square (B) Circle (C) Triangle (D) Rectangle

4 Sum of deviations is zero when deviations are taken from
(A) Mean (B) Median (C) Mode (D) Geometric Mean

5 Geometric Mean of two numbers 4 and 16 is
(A) 4 (B) 10 (C) 16 (D) 8

6 Quartile Deviation of 8,8,8 is
(A) Zero (B) One (C) Positive (D) Negative

7 If SD(x) = 5 then SD(2x+1) is equal to
(A) 10 (B) 5 (C) 15 (D) 2

8 If moment ratio $b_1 = 0$ then distribution is
(A) Skewed (B) symmetrical (C) J-shaped (D) U-shaped

9 An index number computed for a single commodity is called
(A) Simple index (B) Composite index (C) Weighted index (D) Consumer price index

10 If Laspeyre's index = 118.8 , Paasche's index = 112.8 then Fisher's ideal index is equal to
(A) 112.8 (B) 114.8 (C) 118.8 (D) 115.8

11 A coin is tossed three times , then total number of sample points will be
(A) 2^2 (B) 2^3 (C) 3^2 (D) 3^3

12 If $P(A \cap B) = 1/3$, $P(B) = ½$ then $P(A/B)$ is equal to
(A) 1/2 (B) 3/2 (C) 2/3 (D) 1/3

13 Distribution Function is always
(A) zero (B) one (C) increasing (D) decreasing

14 E[X – E(x)] is equal to
(A) Variance (B) Standard deviation (C) Mean (D) zero

15 If $Y_i = ax_i+b$ then $Var(Y_i) =$ ·
(A) $a\ Var(x_i)+b$ (B) $Var(x_i)$ (C) $a\ Var(x_i)$ (D) $a^2\ Var(x_i)$

16 If n = 20 , p = 0.6 then variance of binomial distribution is equal to
(A) 12 (B) 4.8 (C) 1 (D) zero

17 Hyper-geometric distribution has parameters
(A) One (B) Two (C) Three (D) Four

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