

કુલ સમય :- ૩૦ મીનીટ

કુલ પ્રશ્નો : ૩૫

વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૨૫

નોંધ : વિદ્યાર્થીએ માત્ર ૨૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૨૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1. What is the cost of a complete debt correlation?
 - a. 1
 - b) -1
 - c)- 0.5
 - d)0. 5
2. What happens if all the points in a scattering point are tilted downwards in a line?
 - a.-1
 - b) ± 1
 - c) 0.5
 - d) 0.5
3. To whom is the mark of decisiveness expressed?
 - a.r
 - b) r^2
 - c) -r
 - d) r+1
4. The value of correlation r is between?
 - a. 0 to 1
 - b) 0 to -1
 - c) -1 to 1
 - d) more than 1
5. If x and Y have a perfect positive correlation, what is r?
 - A) 1
 - b) -1
 - c) 0
 - d) 0.51
6. What happens if the points in the radiant shape are not in a line?
 - a. 1
 - b. 0
 - c. -1
 - d. 0 to 1
7. If $r = 0.7$ and P. E. = 0.085 then what is n?
 - a. 16
 - b) 4
 - c) 10
 - d) 12
8. If $\sum d^2 = 36$ and $n = 15$ then what is r?
 - a. 0.90
 - b) 0.95
 - c) 0.94
 - d) 0
9. If $n = 10$, $\sum dxdy = 65$, $\sum dx = 5$, $\sum dy = 0$ then what is r?
 - a. 0.70
 - b) 0.80
 - c)0.78
 - d) 0.7968
10. If $\sum xy = 225$, $\sum x^2 = 60$, $\sum y^2 = 1486$ then what is r?
 - a. 0.75
 - b) 0.70
 - c)77
 - d) 0.8
11. If the correlation between two variables is 0.6 and if each observation is doubled, what is the correlation?
 - a. 0
 - b) -0.5
 - c) 0.5
 - d) 1
12. What are the boundaries of the correlation of the aggregate?
 - a. $r+P.E$
 - b) $r-P.E$
 - c) $r+$
 - d) $r \pm P.E$
13. What is always the sum of the order differences in the number correlation?
 - a. 1
 - b)0
 - c) -1
 - d) 10
14. If there is a lack of correlation between two variables, what will be the line of its relation to each other?
 - a. Opposite
 - b) Perpendicular
 - c) Equal
 - d) None
15. If r is a debt, how do you get fixed relationships?
 - a. Negative
 - b) Positive
 - c) Negative and Positive
 - d) None
16. Correlators What are fixed relations?
 - a)Median
 - b)Median
 - c) polymer
 - d) None
17. If $byx = 4$ and $bxy = 0.13$ then what is r?
 - a. 0.70
 - b) 0.73
 - c) 0.72
 - d) 0
18. Is it possible to have $byx = 2$ and $bxy = -0.5$?
 - A) No
 - b) Yes
 - c) Both
 - d) Not one
19. Two fixed relationship lines are perpendicular to each other so what is the correlation between them?
 - A) 1
 - b) 0
 - c) -1
 - d) -0.9
20. If there is a perfect correlation between two variables then what are the fixed relations of each other?
 - a. Positive
 - b) Negative
 - c) Equal
 - d) Opposite
21. Where do two fixed relationship lines intersect?
 - a. $\bar{x}$
 - b) $\bar{y}$
 - c) $(\bar{x}, \bar{y})$
 - d) r
22. If $bxy = -1.5$, $r = -3/4$ then what is byx ?
 - a. -3/8
 - b) 3/8
 - c) 4/8
 - d) -4/8
23. The fixed relations between the two variables are -4 and -0.25 What are their fixed relations lines?
 - a. Perpendicular
 - b) Round
 - c) Monotonous
 - d) Opposite
24. Changing the unit of y variable represents the change in variable x by which?
 - a.Byx
 - b) bxy
 - c) r^2
 - d) r

25. If $3X = Y$ and $4Y = 3X$ then what is r ?
a. 0.4 b) 0.6 c) -0.4 d) 0.5
26. If two variables have perfect correlation, if one fixed relation is 0.5, what is the other fixed relation?
a. 4 b) 2 c) -4 d) -2
27. What distribution equations are needed to organize a fine equation?
a) Poisson Distribution b) Binomial Distribution c) Normal Distribution d) Geometric Distribution
28. If $\alpha = 0.4$, $S_1 = 108$, $S_0 = 100$ then what is the value of T_1 ?
a) 4.2 b) -3.2 c) -4.2 d) 3.2
29. Find $\hat{X}_1$ if $\alpha = 0.2$, $S_1 = 208$, $T_1 = 8$.
a. 211.2 b) -211.2 c) 209 d) -209
30. What is the range of load given to different observations in the method of exponential simplification?
a. Parallel b) Ratio c) Positive d) Fixed
31. In which method is observation given more emphasis?
a. Exponential simplification b) Tunami classes c) Correlation d) Fixed relation
32. Find α in exponential simplification if $\hat{X}_3 = 116.33$, $S_3 = 110.5$, $T_3 = 2.5$.
a) 0.2 b) 0.3 c) -0.2 d) -0.3
33. If $\alpha = 0.4$, $S_1 = 108$ then find $\hat{X}_1$.
a) 112.8 b) 110 c) 113 d) 115
34. If $\alpha = 0.4$ $S_1 = 0.8$ $T_0 = 0$ then find T_1 .
a) 3 b) 3.2 c) 4 d) 4.2
35. If $S_5 = 120.87$, $\alpha = 0.4$, $T_5 = 321$ then find $\hat{X}_5$.
a) 125 b) 126 c) 125.685 d) 130.25
36. Find S if $\alpha = 0.4$, $S_5 = 2.09$, $T_4 = 3.95$.
a) 3.25 b) 4 c) 4.25 d) 3.21
37. What is the annual census conducted in India?
a) 10 b) 20 c) 11 d) 21
38. If $1 - \alpha / \alpha = 4$ then what is?
a) 0.4 b) 0.10 c) 0.3 d) 0.2
39. Whose price is the simplification score between?
a) 0 and 1 b) 0 and -1 c) 0 and 2 d) 0 and -2
40. What is the standard mortality rate used for?
a) For mortality b) For birth rate c) To compare the health of two cities d) For infant mortality
41. The standard mortality rate in a city is 48.56 and if $\sum W = 9000$ then what is XW ?
a) 4,37,000 b) 4,00,000 c) 4,30,000 d) 3,30,000
42. Find the total population of a city if the simple birth rate of a city is 24 and the number of children born in the city is 12000.
a) 25 b) 30 c) 35 d) 24
43. Find GFR if the number of children born and living in a village is 120 and the number of women of reproductive age is 1500.
a) 90 b) 80 c) 100 d) 70
44. If the total population of a city is 60 lakhs and the simple birth rate is 22 and $GFR = 80$ then find the number of women of reproductive age.
a) 1600,000 b) 16,20,000 c) 16,50,000 d) 17,00,000
45. Find the infant mortality rate if 40,000 babies are born in a city in a year out of which 500 babies die
a) 12.5 b) 12 c) 13 d) 13.5
46. Find F TFR if $\Sigma SFR = 513$, $I = 5$.
a) 25 b) 26 c) 30 d) 2565
47. Find F GFR if $\Sigma SFR = 416.5$ and $I = 5$ then find TFR.
a) 2000 b) 2082 c) 2082.5 d) 2070
48. If the standard mortality rate of A city is 20.83 and the standard mortality rate of B is 18.65. So which city is considered healthy in terms of health?
a) A b) B c) A and B d) None
49. If the fertility rate is 36 and the number of females is 114,000, how many children will be born?
a) 4100 b) 4200 c) 4500 d) 4104
50. Who is the pioneer of demographic studies?
a) Delson b) Simon c) John Grant d) William