Vidya Vikas Mandal's Ramacrisna Madeva Salgaonkar Higher Secondary School Margao Goa

Std: XII Voc -CT First Internal Exam Aug, 2022 Time:1hr Date:05/08/2022 Sub:Mathematic(voc) Marks:20 Question number 1 to 4 carries 1 mark each. If two perfect cubic dice are thrown, then the total number of outcomes is a) 2 b)4 c)13 2. If a coin is tossed three times, then the probability of the head appearing t most twice is a) 2/3 b)1/3 c)7/8 d)5/8 3. If "r" is the coefficient of correlation, between two variables, then b)-1 < r < 1 c) r≥0 4. If a scatter plot for two variables is widely scattered then we say, lowbetween the two variables red a) Regression b) Correlation c) Difference (01) d) Value Question number 5 to 7 carries 2 marks each. 5. Two cards are drawn from a pack of 52 well shuffled cards. Find the probability thatone is a Heart and other Spade. 6. Construct a forward difference table for function given by 24 48 80 01) Construct a backward difference table for function given by 10 10 14. 17 21 Y Question number 8 to 10 carries 3 marks each. 8. Find the coefficient of Correlation for the following data 01). X 5 4 5 6 7 8 9. Find the Regression coefficient of x on y for following data 02)3 1 2 6 7 9 8 10 12 11 13 14 02)10. Find the Regression coefficient of y on x for following data. Also find the most likely value where x=6.5 X. 3 4 5

6

10

3

6

7

15

*************All the Best**********