

W-1074**M.B.A. (General) (N.C.) (Final Year) Examination,
(Distance Mode) December-2020****QUANTITATIVE TECHNIQUES****Paper - 204***Time : Three Hours**Maximum Marks : 70**Minimum Pass Marks : 21***Note :** All questions are compulsory.**Unit - I**

Q.1. If $m = \begin{bmatrix} 1 & 0 \\ 2 & 3 \end{bmatrix}$ $n = \begin{bmatrix} 2 & 4 \\ 3 & 2 \end{bmatrix}$ find $m^2 + 2n + 3I$. 17½

Unit - II

Q.2. Find out Karl Pearson's coefficient of correlation between ages and paying habits 17½

Age :	15	16	17	18	19	20
No. of Students :	250	200	150	120	100	80
No. of Regular players :	200	150	90	48	30	12

Unit - III

Q.3. a) Find the probability of 53 Sundays in a leap year.
b) Find another permutations of the word 'Statistics'. 17½

Unit - IV

Q.4. What is Linear Programming? Explain the advantages and limitations of Linear Programming. 17½

