

Internal Examination 2020

DEPARTMENT OF MATHEMATICS

5<sup>TH</sup> SEMESTER

MATH-G-DSE-T-1A

Matrices and Linear Algebra

Answer the following questions.

10

1. Define rank of a matrix. Find the rank of the following matrix

$$\begin{pmatrix} 5 & 7 & 9 \\ 11 & 17 & 18 \\ 10 & 7 & 9 \end{pmatrix}$$

Submit answer sheet to the following email id

[mathematics@nvc.ac.in](mailto:mathematics@nvc.ac.in)