

FCA-404
BCA (FOURTH SEMESTER) EXAMINATION, 2021
BCA
PAPER:BCA 22
BASIC MATHEMATICS

MAX MARKS: 35

Note: Attempt all the questions.

Q 1. State and prove the theorem of probability.

Q 2. calculate the Mean and Standard deviation for the following:

Class: 0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80

f: 5 10 20 40 30 20 10 5

Q 3. Find a vector of magnitude 15, which is perpendicular to both the vectors.

$4\hat{i} - j + 8k$ and $-j + k$