ADITYA DEGREE COLLEGE

ANDHRA PRADESH

II SEM MID -I EXAMINATION

Subject:QMM Max. Marks: 60M

Year/class:I/ BBA-BA Time:2hr

SECTION-A

WRITE ANY FIVE QUESTIONS

5 X 4 = 20 M

- 1.Transpose of matrix ?
- 2. Singular & non Singular matrix ?
- 3. Write bout maxima & minima?

- 5. Normal distribution and also properties?
- 6.Define sample space, event, experiment, trail?
- 7.Define matrix, types of matrix?
- 8.If two dice are thrown, find the probability of getting a sum Is 10?

SECTION-B

WRITE ALL QUESTIONS FROM THE FOLLOWING

4 X 10 = 40 M

9. a) i)Define Probability ii) Conditional probability, iii) Independent events?

OR

b)Define matrix algebra, types of matrices?

Slove crammers rule

- b) Discuss binomial distribution and also mean and variance ?
- 11.a)Obtain x,y,z values by using inversion method?

$$X+Y+Z=6$$
$$3x+3y+4z=20$$

2x+y+3z = 13

OR

b)Define axiomatic probability & also properties and pairwise and mutually exclusive? ?

12.a)Slove 1 2 2 2 1 2 the relation A²-4A-5I=0 OR

b)G.T P(A) = 0.4, P(AUB)= 0.9, and P(B)=P, for what value of P and A and B are independent?