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**SUBJECT CODE NO:- C-3021**  
**FACULTY OF COMMERCE AND MANAGEMENT**  
**B.Com F.Y. (Sem-I) (Old) Examination Oct/Nov 2019**  
**Business Mathematics & Statistics-I**

[Time: Two Hours]

[Max. Marks:50]

Please check whether you have got the right question paper.

- N.B
- 1) Question No. 1 is compulsory.
  - 2) Attempt any three questions from the remaining four questions.
  - 3) Use of log table and calculator is allowed.

Q.1 Difference between primary data and secondary data. 08

Q.2 Calculate the Mean, Median and Mode from the following data. 14

Marks	No. of students
0-10	10
10-20	20
20-30	30
30-40	40
40-50	30
50-60	20
60-70	10

Q.3 Find out the Standard Deviation and its co-efficient from the following data: 14

Marks	No. of students
0-4	5
4-8	10
8-12	15
12-16	20
16-20	10
20-24	5
24-28	3
28-32	2

Q.4 Evaluate the Determinant by Expansion Rule. 14

$$\begin{vmatrix} 3 & 10 & 1 \\ 3 & 0 & 1 \\ 5 & 3 & 2 \end{vmatrix}$$

Q.5 A Box contain 10 Black, 12 white and 8 green balls. Four balls are drawn at random from this Box. Find the probability that, 14

- i) All four balls drawn are black balls.
- ii) Two balls are black and two balls are green