

ASSIGNMENT QUESTIONS OF U.G
COMMERCE (B.COM)
SEMESTER – IV
DSC 8
BUSINESS MATHEMATICS AND STATISTICS

GROUP A

Answer any 1 question (Maximum 600 Words) [1X8= 8]

1. (i) What is the formula for calculating simple interest rate?
(ii) Amit deposited Rs. 1200 to a bank at 9% interest p.a. Find the total interest that he will get at the end of 3 years. [3+5=8]
2. Define mean deviation along with its merits and demerits. [2+6=8]
3. What is Index Numbers? State the importance or utility of Index Numbers. [2+6=8]
4. How are Regression Equations derived? Explain. [8]

GROUP B

Answer any 1 question (Maximum 1000 Words) [1X12= 12]

1. (i) What is the difference between effective interest rates and nominal interest rates?
(ii) Find the compound interest on Rs. 1000 for 4 years at 5% p.a. [7+5=12]
2. Define: Mean, Median and Mode. [4+4+4=12]
3. Calculate three yearly moving average of the following data:

Year	1	2	3	4	5	6	7	8	9	10	11	12
Sales ('000 Rs.)	5.2	4.9	5.5	4.9	5.2	5.7	5.4	5.8	5.9	6.0	5.2	4.8

- [12]
4. What is Correlation? State the different types and degrees of Correlation. [3+3+6=12]