

Assignment of Business Mathematics

And Statistics

Session - 2018-19

B.B.A - II

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Date

1. a. IF $A = \begin{bmatrix} 2 & 3 & -1 \\ 0 & -1 & 5 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 & -6 \\ 0 & -1 & 3 \end{bmatrix}$

then Find $3A - 4B$

b. IF $A = \begin{bmatrix} 3 & 1 \\ 7 & 6 \end{bmatrix}$ and $B = \begin{bmatrix} 4 & 7 \\ 5 & 2 \end{bmatrix}$, then

find $A + B$

2. Find the value of :

(i) 7P_3

(ii) 8P_8

(iii) ${}^9P_{10}$

3. a. Which term of the A.P. 1, 4, 7,
is 55?

b. Is 128 a term of the series
 $6 + 11 + 16 + \dots$?

4. Find the sum of the following series :-

(i) $4, 7, 10, \dots, 148$

(ii) $72 + 70 + 68 + \dots + 40$

5 Find the compound interest on ₹ 3,000 for $1\frac{1}{2}$ years at 8% p.a. compounded half-yearly.

6 What do you mean by Statistics? Explain its Nature.

7 Find out the mean of the series 32, 40, 44, 36

8 Find Median from the following figures:
23, 15, 17, 19, 20, 21, 16, 18, 17