KHUDIRAM BOSE CENTRAL COLLEGE INTERNAL ASSESSMENT EXAMINATION – 2020

PAPER: BUSINESS MATHEMATICS AND STATISTICS

B. COM 3RD SEMESTER (HONS & GEN)

PAPER CODE: GE 3.1 CHG

FULL MARKS: 10 DATE: 26-02-2021

TIME: 1 PM TO 1.30 PM

ANSWER ANY FOUR QUESTIONS

4*2.5 = 10

1. Calculate the coefficient of correlation from:

X: 1 2 3 4 5

Y: 3 2 5 4 6.

2. Find regression equation of x on y from :

X: 1 2 3 4 !

Y: 2 3 5 4 6.

3. $A = \{1, 2, 3, 4\}$, $B = \{2, 3, 4, 5\}$ and $C = \{1, 3, 4, 5, 6, 7\}$, find $A - (B \Omega C)$.

4. Find three year moving average of

Year: 1 2

1 2 3

4

6

Values:

2 4 5

7

10 13.

7

5. Find price index number by the method using arithmetic mean of price relative :

8

Commodity: wheat milk fish sugar

Base price : 5 8 25 6

Current price: 7 10 32 12.

6. Find L.C.M of the three numbers 12, 15 and 20.