QP CODE: 20100704

20100704

Reg No : .....

Name : .....

BA DEGREE (CBCS) EXAMINATION, MARCH 2020

Sixth Semester

Core Course - EC6CRT01 - QUANTITATIVE ECONOMICS II

B.A Economics Model II Foreign Trade,B.A Economics Model II Foreign Trade

2017 Admission Onwards

D98C5C85

Time: 3 Hours Maximum Marks :80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Distinguish between statistical data and statistical methods.
2. Define statistical unit.
3. The average marks of 100 students was 40. Later on it was discovered that 74 marks of a student were misread as 14 marks by mistake. Find the correct mean?
4. Why median is called a positional average?
5. Why measures of dispersion is called second order average?
6. Define Quartile Deviation and its relative measure.
7. Under what circumstances is the rank correlation is used?
8. What is meant by simple regression analysis?
9. Differentiate between Correlation and Regression,.
10. What are the characterisitcs of an Index Number?
11. How are time series analysis useful for business forecasting?
12. What are moving averages?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What is meant by probability sampling? Explain any two methods of collecting a sample.

14. Distinguish between diagrammatic and graphic representation.

15. Explain how should you select an appropriate average.

16. Calculate Mode from the folowing data: 10, 15, 20, 25, 30, 35, 40, 45.

17. What are the merits and demerits of Harmonic Mean?

18. Explain the methods of constructing Lorenz curve.

19. Make a scatter diagram and find if there is any correlation between variable X and Y

Income(Rs.)	10	20	30	40	50	60	70	80
Sales	2	4	8	14	18	14	20	16

20. Construct price index number for 2018 taking 2017 as base:

Commodity	Price 2017	Price 2018
A	90	95
B	40	60
C	90	110
D	30	35

21. Calculate the Marshal Edgeworth index number for the following data:

Commodity	2010		2018	
	Price	Quantity	Price	Quantity
A	8	6	10	5
B	10	7	15	8
C	4	3	6	3
D	7	2	8	3

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Distinguish between diagramatic and graphic representation of data. Give the important rules to be followed in constructing a suitable graph.

23. Calculate mean deviation from the following data. Also find coefficient of M.D P232 Q28

24. The following table gives the marks in Economics ans Statistics of 10 students selected at random. P106 Q7 Calculate the two regression equations. Also calculate the coefficient of correlation and the most likely marks in Statistics when the marks in Economics is 30.

25. From the following data compute the consumer price index for the year 2018 with reference to the base year 2010. P160 Q15

(2×15=30)