K20U 3290

Reg. No. : ....

Name : ....

I Semester B.B.A./B.B.A. (RTM) Degree (CBCSS (OBE) Reg./Sup./Imp.) Examination, November 2020
(2019 Admn. Onwards)
Complementary Elective Course
1C01BBA/BBA(RTM) : STATISTICS FOR BUSINESS DECISIONS

Time : 3 Hours

Max. Marks : 40

PART – A

Answer **all** questions. **Each** question carries **1** mark :

1. What is primary data ?

2. What is histogram ?

3. What is time series ?

4. State any two factors responsible for seasonal variations.

5. What is moving average ?

6. What is Time Reversal Test ?

(6×1=6)

PART – B

Answer **any 6** questions. **Each** question carries **2** marks :

7. Discuss the uses of statistics.

8. Distinguish between classification and tabulation.

9. State the significance of time series analysis.

10. Discuss the various methods of measuring secular trend.

11. What are the components of time series ?

P.T.O.

12. State the uses of Consumer Price Index.

13. What is meant by regression analysis ?

14. Calculate price index number using Laspeyre's and Paasche's method

Commodity	2015		2018	
	Price (Rs.)	Quantity	Price (Rs.)	Quantity
A	5	15	7	12
B	4	5	6	4
C	7	4	9	3
D	52	2	55	2

(6×2=12)

PART – C

Answer **any 4** questions. **Each** question carries **3** marks :

15. Explain the functions of statistics.

16. What are the different methods of constructing Consumer Price Index ?

17. Discuss the various methods of finding correlation.

18. Using the following data prepare a pie diagram.

    Class : I II III IV V

    No. of Students : 168 200 132 100 120

19. From the data given below estimate trend values by four yearly moving average. (Rs. in Crores)

    Year : 2010 2011 2012 2013 2014 2015 2016 2017 2018

    Sales : 3 6 9 8 7 5 8 10 4

20. Calculate Fisher's ideal index number.

Commodity	2017		2018	
	Price (Rs.)	Quantity	Price (Rs.)	Quantity
1	15	25	25	20
2	40	30	60	35
3	30	40	50	38
4	10	10	20	12
5	30	15	40	12

(4×3=12)

PART – D

Answer **any 2** questions. **Each** question carries **5** marks.

21. Explain the various sources of primary and secondary data.

22. Define index number. What are the problems in the construction of index numbers ?

23. Compute trend values through the method of least squares. Also forecast the production in 2019 (Production in tonnes).

Year	:	2010	2011	2012	2013	2014	2015	2016
Production	:	47	64	77	88	97	109	113

24. Calculate coefficient of correlation from the data given below :

District	% of Educated	% of Employed
1	55	30
2	45	35
3	65	20
4	80	40
5	75	35
6	60	25
7	70	45

(2×5=10)