

QP CODE: D2BBS2503	(Pages: 2)	Reg. No :							
		Name :							
SECOND SEMESTER FYUGP EXAMINATION, APRIL 2026									
(Regular - 2025 Admissions)									
Discipline Specific Core (DSC) Courses - Major									
BBS2CJ103 : Business Statistics									
(Credits: 4)									
Time: 2 Hours	Maximum Marks: 70								
Section A									
Answer the following questions. Each carries 3 marks (Ceiling: 24 marks)									
1. What is descriptive statistics?	BL1	CO1							
2. What are the merits and demerits of standard deviation?	BL1	CO2							
3. What is polynomial regression?	BL1	CO3							
4. What is cost of living index number?	BL1	CO4							
5. What is Fisher's Ideal Index number? Why is it called Ideal?	BL1	CO4							
6. What is primary data? Give examples for primary data.	BL2	CO1							
7. What is Qartile deviation? What are the advantages of Q.D.?	BL1	CO2							
8. What are the properties of correlation coefficient?	BL2	CO3							
9. Write a note on the construction of Laspeyres index number. Write the equation for calculating it.	BL1	CO4							
10. Write any three demerits of arithmetic mean.	BL1	CO2							
Section B									
Answer the following questions. Each carries 6 marks (Ceiling: 36 Marks)									
11. Write a note on the diagramatic representation of statistical data.	BL1	CO1							
12. Calculate Mean Deviation about Mean and Coefficient of MD.	BL3	CO2							
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8	24	12	16	10	14	35			
(PTO)									

13. Calculate the cost of living index number from the following data.

BL4 CO4

Item	Base year Price	Current year Price	Weight
Food	39	47	4
Fuel	8	12	1
Clothing	14	18	3
House rent	12	15	2
Miscellaneous	25	30	1

14. Write a short note on Spearman's coefficient of correlation.

BL2 CO3

15. Calculate Paache's Index number from the following table.

BL4 CO4

Commodities	Base year		Current year	
	Price	Quantity	Price	Quantity
A	6	50	10	50
B	2	100	2	120
C	4	60	6	60
D	10	30	12	25

16. Explain the process of classification and tabulation of data.

BL1 CO1

17. Find the median weight from the following weights (in Kgs) of 10 soldiers.

BL3

75	71	73	70	74	80	85	81	86	79
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18. What is index number? Why is index number known as economic barometer?

BL3 CO4

Section C

Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)

19. Define data. Explain various data collection methods and tools used by statisticians.

BL1

20. Calculate mean, median and mode from the following data.

BL3 CO2

Marks	0-10	10-20	20-30	30-40	40-50
Frequency	5	15	40	32	2

CO : Course Outcome

BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)