BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2023)

CLASS: BBA   SEMESTER : I
BRANCH: BBA   SESSION : MO/2023

SUBJECT: MN107 BUSINESS STATISTICS

TIME: 02 Hours   FULL MARKS: 25

INSTRUCTIONS:
1. The question paper contains 5 questions each of 5 marks and total 25 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates

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			CO	BL
Q.1(a)	Discuss any two scopes of Statistics.	[2]	1	1
Q.1(b)	Differentiate between Primary and Secondary Data.	[3]	1	2
Q.2(a)	Why do we calculate measures of central tendencies?	[2]	5	3
Q.2(b)	Draw both the ogives for the following distribution:	[3]	2	4

Marks: 0-10   10-20   20-30   30-40   40-60   60-80
No. of Students: 10   15   20   30   10   8

			CO	BL
Q.3(a)	Discuss the merits of calculating median.	[2]	3	2
Q.3(b)	Present the following data with a pie diagram:	[3]	2	4

Brand	No. of tyres sold
Dunlop	280
Modi	270
Firestone	200
Ceat	190
Goodyear	160
J.K.	100

			CO	BL
Q.4(a)	State the properties of Arithmatic Mean.	[2]	3	1
Q.4(b)	Calculate the median marks obtained by the students given in the problem number 2(b).	[3]	2	4
Q.5(a)	State the methods of calculating measures of dispersion.	[2]	3	2
Q.5(b)	Calculate the modal marks obtained by the students given in the problem number 2(b).	[3]	2	4

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