

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION SP/2024)**

CLASS: IMSc
BRANCH: CQEDS

SEMESTER : VI
SESSION : SP/2024

SUBJECT: ED315 APPLIED ECONOMETRICS

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	Discuss briefly any 5 properties of index numbers.	[5] 1	4
Q.2(a)	What is an elementary index in price index number calculation?	[2] 1	2
Q.2(b)	Describe the Dutot index, Carli index and Jevon's index	[3] 1	3
Q.3(a)	What does the poverty line measure?	[2] 2	2
Q.3(b)	What does the head count ratio measure? Which aspect of poverty does it fail to measure?	[3] 2	4
Q.4	Compare the basket of goods recommended by the Task Force, 1979: Alagh and the Task Force, Tendulkar, 2009 in measuring poverty.	[5] 2	5
Q.5(a)	What is the difference between Pareto distribution and log-normal distribution?	[3] 2	4
Q.5(b)	Why do you need assumptions about the income distribution to measure inequality?	[3] 2	5

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