

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(END SEMESTER EXAMINATION)**

**CLASS: IMSC  
BRANCH: CQEDS**

**SEMESTER : IV  
SESSION : SP/2025**

**SUBJECT: ED219 ECONOMICS OF DEVELOPMENT AND DEMOGRAPHY**

**TIME: 3 HOURS**

**FULL MARKS: 50**

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		<b>CO</b>	<b>BL</b>
Q.1(a)	Why do you think population growth rates fall with development? If people consume more goods, in general, as they get richer and children are just another consumer good (a source of pleasure to their parents), then why don't people in richer countries "consume" more children?	[5] 1	2
Q.1(b)	Why we say that "Poverty is a measure of economic underdevelopment"? Explain briefly.	[5] 1	3
Q.2	Discuss and derive the Solow growth model.	[10] 2	2
Q.3(a)	Draw Lorenz curves for the given distribution. The first set of numbers represents the various incomes, while the second set of numbers is the number of people earning each of these incomes. (200, 400, 600, 800) (100, 50, 150, 50)	[5] 3	4
Q.3(b)	Calculate the coefficient of variation for the above given income distribution.	[5] 3	5
Q.4(a)	Briefly explain the democracy and its fundamental principles needed for its establishment and long-term existence.	[5] 4	2
Q.4(b)	Briefly explain the reasons for the failure of non-democratic systems.	[5] 4	4
Q.5(a)	What is demography? Briefly explain the key components of demography.	[5] 5	2
Q.5(b)	Define the following concepts of measures of fertility: I. Crude birth rate II. Age specific fertility rate III. Total fertility rate	[5] 5	1

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