

*Total number of printed pages—4*

**63/2 (SEM-4) ECO 4-5**

**2024**

**ECONOMICS**

Paper : ECO 4-5

**( Demography )**

*Full Marks : 80*

*Pass Marks : 32*

Time : Three hours

***The figures in the margin indicate  
full marks for the questions.***

1. Answer the following questions :     2×4=8
  - (a) Define the modern definition of census.
  - (b) Define the term migration.
  - (c) How do you measure dependency ratio ?
  - (d) Define 'mean age of marriage'.

*Contd.*

2. Answer the following questions :  $5 \times 4 = 20$

(a) Define demography? Distinguish between micro demography and macro demography.

(b) What do you mean by fertility? Differentiate between Fertility and Fecundity.

(c) With reference to internal migration, define the in migration rate and outmigration rate for a region.

(d) Establish the relationship between the curtate expectation of life and complete expectation of life.

3. Answer **any two** of the following questions :  $10 \times 2 = 20$

(a) How do you define the age and sex structure of population? Explain the factors determining the age and sex structure of population.  $4 + 6 = 10$

(b) How is work force participation rate explained? Explain the factors responsible for the increase in labour force participation rate in recent times.  $4 + 6 = 10$

(c) Elucidate the trends in urbanization in India since independence.

(d) Examine the methods used in projecting the population of a country.

4. Answer the following questions :  $16 \times 2 = 32$

(a) What are the basic assumptions underlying the construction of an abridge life table? Explain Chiang's method of constructing an abridge life table.  $6 + 10 = 16$

**Or**

Distinguish between 'Crude' and 'Standardised' Death rate. Estimate the standard death rate for the following two countries :  $6 + 10 = 16$

Age group (in years)	Death Rate per 1000		Standard population (in lakhs)
	Country A	Country B	
0-4	18.870	4.348	120
5-14	0.759	0.465	207
15-24	1.358	0.767	183
25-34	2.048	1.075	148
35-44	3.326	1.882	120
45-54	7.006	4.669	94
55-64	18.111	12.477	71
65-74	45.795	34.060	41
75 and above	124.258	116.443	16

Interpret your results.

- (b) Critically explain the Todero's model of rural-urban migration. 16

**Or**

Discuss the reproductive and child health approach to family planning and population stabilization adopted officially in India since 1997. What has been its limitations as well as its main achievements ? 8+8=16

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