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14 (ECO-4) 4026

2022

ECONOMICS

Paper : ECO-4026

(Demography)

Full Marks : 80

Time : Three hours

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

1. Answer the following within **50** words :
5×4=20
 - (a) What is Singulate Mean Age at Marriage? Mention the various steps for computing singulate mean age at marriage.
1+4=5
 - (b) How can data on migration be acquired indirectly?
 - (c) Point out the distinction between reproduction rates and fertility rates.

Contd.

(d) Highlight the characteristic features of the third stage of demographic transition.

2. Answer **any three** of the following within **150** words each : 10×3=30

(a) What is added-worker effect? How does education and household incomes effect female labour force participation rates? 3+7=10

(b) Differentiate between stable and stationary population. Explain how A. J. Lotka computed the 'true rate of natural increase' while explaining stable population. 2+8=10

(c) Discuss Everett S Lee's theory of migration.

(d) Illustrate the difference between gross migration and net migration. Describe some major causes of internal migration. 3+7=10

(e) Describe the various measures of foetal and early childhood mortality.

3. Answer **any two** of the following :

15×2=30

- (a) Elucidate how Becker developed consumer choice theory into New Home Economics. How does it differ from Easterlin's theory? 10+5=15
- (b) Differentiate between pro-natalist and anti-natalist population policy. Which policy is a country facing the issue of ageing population likely to adopt and why? 7+8=15
- (c) Why is the projection of economically active population needed? Discuss briefly the *two* main methods of projecting economically active population. Population of city X in 1951 and 1981 was 12 lakhs and 21 lakhs. Using linear interpolation method, estimate the population of the city in 1960. 2+5+8=15