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63/2 (SEM-3) ECO 3.2

2022

(Held in 2023)

ECONOMICS

(Theory Paper)

Paper Code : ECO 3.2

(Population and Human Resources)

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 (within 50 words each): 2×4=8

- (a) Define population pyramid.
- (b) What do you mean by complete and abridge life table ?
- (c) What is a healthcare service ?
- (d) How the concept of Pareto optimality condition is related to economics of education ?

[Turn over

2. Answer the following questions (within 150 words each) : $5 \times 4 = 20$

- (a) Distinguish between preventive check and positive check of the Malthusian theory of population.
- (b) Can fertility levels of two regions be compared on the basis of Crude Birth Rate ? Give reasons.
- (c) State the important ways of developing human capital of an economy.
- (d) Briefly analyse the major hurdles in public health delivery system.

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

- (a) What is population census ? Why is population census important ? Distinguish between *De facto* and *De jure* method of conducting a census. $2+3=5$

- (b) In what way do Total Fertility Rate (TFR), Gross Reproduction Rate (GRR) and Net Reproduction Rate (NRR) differ from one another as a measure of Reproduction ? Can they be look as a indices of Population growth.

- (c) Critically evaluate the contribution of education to economic growth and development in the light of 'residual factor approach'.

- (d) How can the financing systems of education are directed to ensure greater equity ? Explain.

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

- (a) (i) What are the different demographic stages as expounded in the theory of Demographic Transition ? Has the experience of developing countries, especially since the early sixties been in line with the tenets of the theory ? Illustrate your answer with the Indian experience. $8+8=16$

Or

- (ii) Explain the different approaches to measure the Infant Mortality Rate.

On the basis of the data given below, compute standardized death rate for population B, by both direct and indirect methods, using population A as the standard population. $8+8=16$

(ii) Discuss the Cost-Benefit Analysis of healthcare services. Does the monetary valuation of all costs and benefits of interventions are possible ? 14+2=16

Or

(b) (i) Critically analyse the modern approach of judging adequacy of educational finance. 16

Age group	(years)	Population	Deaths
Above 55		80,000	2,560
35-55		1,60,000	800
10-35		1,20,000	240
Under 10		40,000	400
Age group	(years)	Population	Deaths
Above 55		40,000	800
35-55		90,000	450
10-35		50,000	500
Under 10		20,000	400