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GEOGRAPHY

(Major)

Paper : 5.4

(Population and Settlement Geography)

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer the following questions : 1×7=7

- (a) How is sex ratio calculated?
- (b) What is the third component of population change?
- (c) On which principle is the $k=3$ hierarchy based in Christaller's central place theory?
- (d) What is the present population of the world?

(2)

- (e) What does the shape of population pyramid reflect?
- (f) Why is F. W. Notestein famous for?
- (g) Where do we find star-shaped settlements?

2. Answer the following questions in brief : $2 \times 4 = 8$

- (a) What do you understand by population composition?
- (b) Distinguish between rural and urban settlements.
- (c) What do you mean by literacy? How is the literacy rate calculated?
- (d) Define overpopulation.

3. Answer any *three* of the following questions :
 $5 \times 3 = 15$

- (a) Discuss the three stages of demographic transition in brief.
- (b) Distinguish between the concepts of dichotomy and continuum.
- (c) Discuss a few geographical factors that influence the distribution of population.

(3)

- (d) Distinguish between push and pull factors of migration.
- (e) Discuss the factors responsible for imbalance in the sex ratio in different parts of the world.

4. Discuss the Malthus theory of population growth and its significance. $8+2=10$

Or

Discuss the trend of development of population geography citing appropriate examples. 10

5. Discuss the major population density zones of the world. 10

Or

What is population-resource relationship? Compare the conditions of overpopulation, underpopulation and optimum population with necessary illustrations. $4+6=10$

6. Discuss the morphology and functional characteristics of rural and urban settlements. $5+5=10$

Or

Discuss the central place theory of Walter Christaller. 10
