

This question paper contains 2 printed pages]

Roll No.

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S. No. of Question Paper : 5901

Unique Paper Code : 215501

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Name of the Paper : ANTH 514 (Human Ecology : Biological Dimensions)

Name of the Course : B.Sc. (Hons)

Semester : V

Duration : 3 Hours

Maximum Marks : 75

(Write your Roll No. on the top immediately on receipt of this question paper.)

Answer any five questions.

All questions carry equal marks.

1. Discuss the factors affecting human growth and development.
2. Define adaptation. Describe the adaptational changes among humans exposed to extremes of hot climate.
3. Define Physique. Describe characteristics of Heath and Carter's classification.
4. Explain concept of Human growth and development with its stages from birth to senescence.
5. Describe impact of water pollution on human populations.
6. Describe ecological adaptation with reference to malaria and sickle cell trait.
7. Define nutritional status. How is it associated with obesity and physical fitness ?

P.T.O.

8. Does extremes of climatic stresses like altitude and temperature affect demographic performance of human populations ? Discuss with suitable examples.
9. Write short notes on any *two* of the following :
- (a) Growth curves
 - (b) Skin colour and solar radiation
 - (c) G6PD and malaria
 - (d) Hypoxia.