

**2024**  
**B.A./B.Sc.**  
**Fourth Semester**  
CORE – 9  
**ANTHROPOLOGY**  
*Course Code: ANC 4.21*  
(Human Growth & Development)

*Total Mark: 70*  
*Time: 3 hours*

*Pass Mark: 28*

*Answer five questions, taking one from each unit.*

**UNIT-I**

1. Discuss the human adolescent growth spurt and skeletal maturation from evolutionary perspective. 14
2. Discuss the concept of development in physical perspective of human. 14

**UNIT-II**

3. Outline the different stages of growth in prenatal period and explain the stages in brief. 14
4. Compare and contrast the gender differences in growth curve with suitable curve diagram. 10+4=14

**UNIT-III**

5. Examine the ecological factors influencing patterns of growth and variation in human. 14
6. Discuss the mechanism of human adaptation to heat. 14

**UNIT-IV**

7. Define malnutrition. Distinguish between the malnutrition of PEM and obesity. 2+6+6=14

8. What is a balanced diet? Justify the different components of food in a balanced diet. 2+12=14

### UNIT-V

9. Outline the method of somatotyping given by W. H. Sheldon. Also mention the criticism of the method. 9+5=14
10. Examine how body composition can be estimated using the 3-compartment model of DXA. 14
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