



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 4th Semester Examination, 2023

ANTACOR09T-ANTHROPOLOGY (CC9)

NEW AND OLD SYLLABUS

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.*

NEW SYLLABUS

1. Answer any *two* questions from the following within 800-1000 words each: 10×2 = 20
 - (a) What are the different stages of human growth? Briefly mention the features of the different stages of pre-natal growth. 4+6
 - (b) What do you mean by PEM? Briefly discuss the impact of malnutrition with reference to Kwashiorkor and Marasmus. 2+4+4
 - (c) Discuss briefly the different biological and cultural factors that influence the patterns of human growth and development. 5+5
 - (d) Define body composition. What do you mean by Somatotype? Discuss briefly the different body types proposed by Heath-Carter. 2+2+6

2. Answer any *two* questions from the following within 300-400 words each: 5×2 = 10
 - (a) What are velocity and distance curves? 2½+2½
 - (b) What is balanced diet? 5
 - (c) What do you mean by hyperplasia and hypertrophy? 2½+2½
 - (d) What do you mean by stunting and wasting? 2½+2½

3. Answer any *five* questions from the following within 25-30 words each: 1×5 = 5
 - (a) What is Catch-up growth?
 - (b) What is Secular trend?
 - (c) What is Scammon's curve?
 - (d) What do you mean by BMI?
 - (e) What is Cross-Sectional method of studying growth?
 - (f) What is Moderate Acute Malnutrition?
 - (g) What is percent body fat?

- (h) What do you mean by mesomorphy?
 (i) What is underweight in Children?
 (j) What is biological age?

4. Choose the correct answer of the following questions:

1×5 = 5

- (a) All of the following are periods of pre-natal development except.
 (i) germinal (ii) postpartum (iii) embryonic (iv) fetal
- (b) Greatest amount of cranial growth occurs by
 (i) Birth to 5 years (ii) 5-6 years (iii) 6-7 years (iv) 7-10 years
- (c) An early pre-pubertal growth spurt indicates
 (i) longer treatment time (ii) fast maturing child
 (iii) slow maturing child (iv) an endocrine dysfunction
- (d) Hypertrophy of cells refers to increase in the
 (i) Number (ii) Size (iii) Function (iv) All of these
- (e) Which of the organ/system increases to 200% the adult size before puberty?
 (i) Lymphoid (ii) Somatic (iii) Genitals (iv) Neural

OLD SYLLABUS

1. Answer any *two* questions from the following within 800-1000 words each: 10×2 = 20
- (a) Briefly discuss the different cellular process responsible for human growth. 10
- (b) Define human growth. Describe different methods of studying human growth. 2+8
- (c) What do you mean by body composition? Briefly explain the somatotyping based on Sheldon's Model. 3+7
- (d) What do you mean by growth curves? Briefly discuss the different types of growth curves. 2+8
2. Answer any *two* questions from the following within 300-400 words each: 5×2 = 10
- (a) Briefly mention the features of pre-natal stages of human growth. 5
- (b) Briefly differentiate between Chronological age and Biological age. 5
- (c) Write a brief note on Scammon's curves. 5
- (d) Briefly discuss about the uses of BMI for assessing undernutrition. 5
3. Answer any *five* questions from the following within 25-30 words each: 1×5 = 5
- (a) What is secular trend?
- (b) What do you mean by balanced diet?

- (c) What is adolescent growth spurt?
- (d) What is hyperplasia?
- (e) What do you mean by SAM?
- (f) What is the importance of measuring MUAC?
- (g) Mention any two factors which influence the human growth and development.
- (h) Mention any four features of Marasmus.
- (i) What is Stunting?
- (j) What do you mean by maturation?

4. Choose the correct answer of the following questions:

1×5 = 5

- (a) Kwashiorkor is the disease of
 - (i) Calcium deficiency
 - (ii) Protein deficiency
 - (iii) Iron deficiency
 - (iv) None of these
- (b) Which one of the following can be linked to overnutrition?
 - (i) Obesity
 - (ii) Turner syndrome
 - (iii) Marasmus
 - (iv) Scurvy
- (c) The measuring the subject once in a study period is known as
 - (i) Cross-Sectional
 - (ii) Longitudinal
 - (iii) Mix-longitudinal
 - (iv) Linked-longitudinal
- (d) The full form of BMI is
 - (i) Basal Metabolic Index
 - (ii) Body Mass Index
 - (iii) Body Measuring Index
 - (iv) None of these
- (e) Post-natal growth refers to
 - (i) Growth within the womb of a mother
 - (ii) Growth after Birth
 - (iii) Growth two weeks before the birth
 - (iv) None of these

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