WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 4th Semester Examination, 2022

ANTACOR09T-ANTHROPOLOGY (CC9)

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.

1.	Answer any ***two*** questions from the following within 800-1000 words:	10×2 = 20
(a)	Define the terms human growth, maturation and development. Differentiate between hyperplasia and hypertrophy.	6+4=10
(b)	Briefly explain the different methods of studying human growth and development. Compare briefly the cross-sectional and longitudinal method of growth study.	6+4=10
(c)	What do you mean by growth curve? Briefly discuss about the features and significance of distance and velocity growth curves.	2+4+4=10
(d)	What do you mean by nutritional assessment? Briefly discuss about two anthropometric variables for assessment of malnutrition in adults.	2+4+4=10

2.	Answer any ***two*** questions from the following within 300-400 words:	5×2 = 10
(a)	Differentiate between chronological and biological age.	
(b)	What do you mean by normal growth curve?	
(c)	Write a brief note on mixed longitudinal growth study.	
(d)	Briefly explain the growth retardation in children.	

3.	Answer any ***five*** questions from the following within 25-30 words:	1×5 = 5
(a)	Define accretion	
(b)	What is catch-up growth?	
(c)	Define nutrition.	
(d)	What is obesity?	
(e)	Define Anthropometry.	
(f)	What is growth spurt?	
(g)	What is stunting?	
(h)	What is chronological age?	
(i)	What is maturation?	
(j)	What is neurological growth curve?	

4.   Choose the correct answer of the following questions: 1×5 = 5

   (a) Which of the following is the most frequently used anthropometric measure to estimate body mass?

   (i) Fat-Free mass   (ii) Body Fat   (iii) Body weight (iv) Height

   (b) In which stage the physical growth is rapid?

   (i) Early childhood (ii) Infancy   (iii) Adolescence (iv) Adult

   (c) A BMI of 27 is considered to be which of the following?

   (i) Underweight   (ii) Normal weight   (iii) Overweight   (iv) Obese

   (d) The chronological age of the child is calculated by

   (i) The maturity of emotions   (ii) The number of teeth erupted

   (iii) The maturity of bones   (iv) The date of birth

   (e) Hyperplasia of cells refers to increase in the

   (i) Number   (ii) Size   (iii) Function   (iv) All of these

   N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within* 1 *hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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