



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 6th Semester Examination, 2022

ANTADSE04T-ANTHROPOLOGY (DSE3/4)

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.
All symbols are of usual significance.*

1. Answer any **two** questions from the following: (within 800-1000 words each) 10×2=20
 - (a) Briefly state the structure of a human cell with suitable diagram. 8+2
 - (b) What do you mean by work capacity? What are the different types of environmental stressors that influence the work capacity of human body? 2+8
 - (c) Mention the different types of CVD. What are the cardinal signs of CVD? How can CVD be prevented? State briefly. 4+3+3
 - (d) What is metabolic rate? What are the rest and exercise concepts of metabolism? What are the different factors affecting metabolic rate? 2+2+6

2. Answer any **two** questions from the following: (within 300-400 words each) 5×2=10
 - (a) Write a short note on the Physiological Anthropology.
 - (b) Differentiate between static and dynamic aspect of lung function.
 - (c) What do you mean by cardio-respiratory endurance?
 - (d) Briefly describe the function of a human cell.

3. Answer any **five** questions from the following: (within 25-30 words each) 1×5=5
 - (a) What is Spirometry?
 - (b) What is Hypoxia?
 - (c) What is Vasodilation?
 - (d) What is body mass?
 - (e) What do you mean by cardiovascular health?
 - (f) What is extracellular fluid?
 - (g) What is metabolism?
 - (h) What do you mean by population variation?

4. Answer the following questions by choosing correct options:

1×5=5

- (a) The gaseous exchange in alveoli is a type of
(A) simple diffusion (B) osmosis
(C) active transport (D) passive transport
- (b) What can happen if the blood flow in an artery is blocked or greatly restricted?
(A) Heart Palpitations (B) Stroke
(C) Heart attack (D) Both (B) and (C)
- (c) Air pollution can directly affect
(A) Cardiovascular Mechanism (B) Pulmonary function
(C) Renal function (D) Body balance
- (d) The fluid balance of the body can be well maintained by
(A) Pulmonary function (B) Homeostatic function
(C) Brain function (D) None of these
- (e) Which type of metabolic fuel is utilized for generating glucose under condition of severe starvation?
(A) Glycogen (B) Fats (C) Starch (D) Amino acids

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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