WEST BENGAL STATE UNIVERSITY

B.A./B.Sc. Honours 3rd Semester Examination, 2021-22

HMDACOR06T-HUMAN DEVELOPMENT (CC6)

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 *five* questions from the following: 2×5 = 10

   (a) What is Standardization?

   (b) Define Norms.

   (c) Types of validity.

   (d) What is Test-Retest reliability?

   (e) Define frequency.

   (f) What is class interval?

2. Answer any *two* questions from the following: 5×2 = 10

   (a) Calculate the median from the following data:

Class	f
0–5	2
5–10	5
10–15	7
15–20	13
20–25	21
25–30	16
30–35	8
35–40	3

   (b) Discuss the validity with example.

   (c) Calculate the standard deviation from the following data:

Class	f
30–40	5
40–50	3
50–60	2
60–70	8
70–80	12
80–90	10
90–100	15

   (d) Mention the advantages and disadvantages of using a pie-diagram.

3.   Answer any *two* questions from the following: 10×2 = 20

   (a) Draw a histogram for the following frequency distribution:

Class	f
50–59	8
60–69	10
70–79	16
80–89	14
90–99	10
100–109	5
110–119	2

   (b) Calculate the Q.D. from the following data:

Class	f
10–20	10
20–30	2
30–40	5
40–50	8
50–60	1
60–70	2
70–80	4
80–90	9

   (c) Weekly pocket expenses of 30 students of class VII are:

   37, 41, 39, 34, 71, 26, 56, 61, 58, 79, 83, 72, 64, 39, 75, 39, 57, 53, 70, 45, 44, 37, 79, 76.

   Construct the grouped frequency table with the class interval of equal width such as 30–35. Also, find the range of the weekly pocket expenses.

   (d) Calculate the coefficient of correlation for the ages of boy and girl:

   Age of Boy: 23   27   28   29   30   31   33   35   36   39

   Age of Girl: 18   22   23   24   25   26   28   29   30   32

   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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