



**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 3rd Semester Examination, 2020, held in 2021

**HMDACOR06T-HUMAN DEVELOPMENT (CC6)**

**PSYCHOLOGICAL ASSESSMENT AND STATISTICS**

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 **five** questions from the following: 2×5 = 10
  - (a) What is a Psychological Test?
  - (b) What is Reliability?
  - (c) What is Frequency?
  - (d) What is Range?
  - (e) What is Validity?
  - (f) What is the formula of Arithmetic Mean (A.M)?
  - (g) What is Central Tendency?
  
2. Answer any **two** questions from the following: 5×2 = 10
  - (a) What is a Bar Graph? Write about its types.
  - (b) What is a Pie Chart? Write about its advantages and disadvantages.
  - (c) What is Median? Write about its advantages and disadvantages.
  
3. Answer any **two** questions from the following: 10×2 = 20
  - (a) Construct a frequency distribution table from the following weights (in gm.) of 30 oranges using the equal class intervals, one of them is 40-45. The weights are:  

31 41 46 33 44 51 56 63 71 71 62 63 54 53 51  
43 36 38 54 56 66 71 74 75 46 47 59 60 61 63

    - (i) What is the class mark of the class intervals 50-55?
    - (ii) What is range of the above weights?
    - (iii) How many class intervals are there?
    - (iv) Which class interval has the lowest frequency?

- (b) Calculate arithmetic mean and median of the frequency distribution given below. Hence calculate the mode using the empirical relation between the three.

Class Limits	130-134	135-139	140-144	145-149	150-154	155-159	160-164
Frequency	5	15	28	24	17	10	1

- (c) The height of the players (in cm.) from a basketball team are represented by the table.

Height	170-175	175-180	180-185	185-190	190-195	195-200
No. of Players	1	3	4	8	5	2

Calculate:-

- (i) The Standard Deviation.  
(ii) How many players are above the mean plus one standard deviation?

**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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