



Mallikarjuna

**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)  
Re-accredited with A++ Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India **Continues Internal**  
**Assessment Test II – April 2023**  
**IV Semester**

**Class : II B.P.Ed**  
**Branch : Physical Education**

**Time : 2 Hours**  
**Max. Marks : 60**

**21BPDE4A - DSE IV - Research and Statistics in Physical Education**

**Course Outcomes:**

1. Identify the research problem in the field of physical Education and sports
2. Know to Summarize the various research literature
3. Understand and apply the basics of statistics in research.
4. Organize the samples and sampling techniques which is relevant to the study.
5. Apply the basics of statistics in minor research project for evaluation.

**Part A**

**6 x 1 = 6**

**Choose the Correct Answer**

1. The Word Statistics has been derived from Status which belong to  
a. Sanskrit      b. Greek      c. Latin      d. Urdu      CO2K3
2. Statistics simplifies  
a. complexity      b. Definite form      c. formulation      d. comparison      CO2K3
3. In statistics to find out the average of the scores is known as  
a. Mean      b. median      c. mode      d. series      CO4K3
4. The word percentile denotes the conversion of data into  
a. 10th      b. 50th      c. 75th      d. 100th      CO2K3
5. Which one is not belongs to Probability samples  
a. random      b. systematic      c. stratified      d. Ungrouped      CO3K3
6. Which one is the source of Primary Data?  
a. Raw score      b. Sampling      c. survey      d. mode      CO4K4

**PART – B**

**Answer the following 3 x 6 = 18**

**Answer should not exceed 200 words or one page**

- 7.a. Write about the importance of Statistics      CO2K3  
(or)
- 7.b. Explain about class intervals      CO3K3
- 8.a. Elucidate the features of research design      CO3K4  
(or)
- 8.b. What is plagiarism? why is it important?      CO4K5
- 9.a. Write about the characteristics of good sample      CO3K4  
(or)
- 9.b. Write about the measures of Central Tendency      CO2K5

**PART – C**

**Answer the following 3 x 12 = 36**

**Answer should not exceed 1200 words or six pages**

- 10.a. Explain the graphical presentation of class distribution with diagram      CO3K4  
(or)
- 10.b. The following marks are obtained by 15 students of the class obtain the average marks, median and mode      CO4K4  
10, 15, 12, 18, 22, 25, 30, 27, 40, 21, 35, 28, 41, 18, 36
- 11.a. Write about the measures of variability      CO5K3  
(or)
- 11.b. Determine the mean, median and mode of the following distribution      CO3K5  
Group :      0-10,      10-20,      20-30,      30-40,      40-50,      50-60  
Frequency :      3      5      10      9      7      6
- 12.a. Write about the importance of statistics in Physical Education with example of pretest data collected by your own.      CO3K4  
(or)
- 12.b. Explain grouped, un grouped data, percentiles and quartiles with example.      CO4K5

**No. of. Copies : 30**

**Staff in –charge: Dr.P.Vainthamani**