QP CODE: 24803669

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Reg No : .....

Name : .....

MASTER OF PHYSICAL EDUCATION AND SPORTS, JUNE 2024

Second Semester

M.P.E.S

Core - PE030201 - APPLIED STATISTICS IN PHYSICAL EDUCATION AND SPORTS

2021 Admission Onwards

83FE6A76

Time: 3 Hours Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. List out examples of discrete data from your sports field.
2. What are non parametric statistics?
3. To calculate median,all the items of a series have to be arranged in…
4. Find the mode for the following series 20,15,13,12,9,17,13,1,& 9
5. What is standard deviation?
6. What is ordinal scale?
7. What is the shape of normal distribution?
8. What is zero skewness?
9. Level of significance is also called …
10. What is data mining?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Briefly explain the types of statistics with examples.
12. Below are the marks scored for a total of 20 marks by 25 students in a monthly test,construct a discrete frequency table..15,13,16,16,15,16,17,14,15,16,16,17,14,17,17,16,14,15,16,17,14,16,15,17,13

13. 5 people were asked about the time in a week they spent doing social work in their community. They said 10, 7, 13, 20 and 15 hours, respectively. Find the mean (or average) time in a week devoted by them to social work.

14. Advantages of Quartile Deviation.

15. What is normal curve theory?

16. How to Draw Greater than or More than Ogive Curve?

17. Types of Correlation test.

18. List out the Advantages of MANOVA.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Discuss probability sampling methods in detail.

20. Need and importance of frequency table construction in statistics.

21. Explain the different types of graphical representation with diagram.

22. Briefly explain the dependent and independent t-test and the interpretation of hypothesis.

(2×5=10 weightage)