Turn Over

QP CODE: 24803669

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

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?

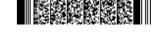
(8×1=8 weightage)

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







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Reg No

Name

Weightage: 30



- 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)