

19. Enumerate the need and importance of statistics in physical education.
20. Discuss the nature and scope of research in physical education.
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S.No. 5785

16 SMBEPE 1:1

(For candidates admitted from 2016–2017 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Part III — Physical Education, Health Education and Sports — Major Based Elective

RESEARCH AND BASIC STATISTICS

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20)

Answer ALL questions.

1. Define "Statistics".
2. Write down any two uses or related literature in research.
3. Define "Research"
4. Define "Mean".
5. Find out mode : 12, 14, 16, 12, 17, 18, 20
6. Define standard deviation.
7. Write down the meaning of the term qualitative data.

8. Define "Quartile Deviation"

9. Define 'Sample'.

10. Define "Hypothesis".

SECTION B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) Write down the importance of Research design.

Or

(b) Compute mean: 3, 8, 12, 15, 7, 3, 6, 3, 21.

12. (a) List down the merits and demerits of mode.

Or

(b) Write short notes on types of data with examples.

13. (a) Please don't need of research in physical education.

Or

(b) Briefly explain systemic sampling.

14. (a) Briefly explain formulation of hypothesis.

Or

(b) Write short notes on types of hypothesis

15. (a) Find out median: 10, 12, 17, 10, 18, 9, 20, 22, 11, 12.

Or

(b) Briefly explain the uses of measures of variability.

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

16. Compute Standard deviation

Score: 0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80

F: 4 6 15 18 15 12 7 2

17. Calculate median

Score: 10-20 20-30 30-40 40-50 50-60 60-70 70-80

F: 5 10 15 20 15 10 4

18. Discuss the criteria for selecting good research problem.