

FOURTH SEMESTER UG DEGREE EXAMINATION, APRIL 2025**(Regular/Improvement/Supplementary)****BACHELOR OF SPORTS MANAGEMENT (BSM)****GBSM4B09T: DATA ANALYTICS IN SPORTS****Time: 2 ½ Hours****Maximum Marks: 80****SECTION A: Answer the following questions. Each carries two marks.****(Ceiling 25 marks)**

1. What do you mean by the term 'scale of measurement'?
2. Define the term Data.
3. What is the role of sports in financial growth of a country?
4. Explain the use of 'IF' function in MS Excel with an example.
5. Define Descriptive analytics.
6. List the three basic components of sports analytics program.
7. How two sports teams can be rated with the help of regression?
8. What is on field analytics in sports?
9. Write a short note on 'MS Excel'.
10. What do you mean by scatterplot?
11. Define Regression.
12. Differentiate between dependent and independent variables.
13. List out the different forms of organizational structure for analytics.
14. What are the data driven methods to evaluate athletes?
15. How do you make sure that a game is properly evaluated?

SECTION B: Answer the following questions. Each carries five marks.**(Ceiling 35 marks)**

16. Explain the term 'big data' in sports.
17. Give an account on the major types of sports analytics with suitable examples.
18. Explain 'State of the field'.
19. Write a note on the goals of sports analytics.

(PTO)

20. What are different types of graphs in data presentation?
21. Explain any two statistical analysis methods used in MS Excel.
22. Distinguish between the SLR and MLR with example.
23. What are the steps involved in forecasting sports analytics?

SECTION C: Answer any two questions. Each carries *ten* marks.

24. Explain the need and importance of data analytics in the field of sports management.
25. How can sports analytics be used to enhance player performance?
26. From the data given below, find the two regression equations.

X:	41	44	58	55	87	98	64
Y:	51	49	53	54	65	73	58

27. Write short notes on the following:
- (i) Evaluating players as financial assets.
 - (ii) Transfer and trade values.
 - (iii) Performance of a player in terms of profit and loss.
 - (iv) Sports and economics.

(2 × 10 = 20 Marks)