25020281

BSM DEGREE (CBCS)) REGULAR/ IMPROVEMENT/ REAPPEARANCE / MERCY CHANCE EXAMINATIONS, FEBRUARY 2025

Fourth Semester

Bachelor of Sports Management

Core Course - SM4CRT12 - TECHNOLOGY IN SPORTS AND EMERGING TRENDS

2017 Admission Onwards

C33F3E9D

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Mention major areas of analytics.

2. What is simulation in sports?

3. What do you understand by geospatial technology?

4. What is spatio temporal analysis?

5. What is social network analysis (SNA)?

6. Mention few materials used in sports flooring.

7. Briefly explain the characterisation of sports surfaces.

8. Mention few sports surfaces which could come up in the future.

9. What is a composite fabric?

10. What does compression fabric do?

11. Mention four types of intellectual property rights and protection.

12. What do you mean by ownership security?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain complex sports analytics.

14. Briefly explain interactive visualisation technology in sports.

15. What is machine learning? Explain.

16. Write briefly about genomics in sports.

17. How sports surfaces have an impact on injury and biomechanics?

18. Write a note on fibres for sportswear.

19. Explain the factors that influence fabric behaviour.

20. Write in detail, any five components of a business plan.

21. Explain in brief five common exit strategies for entrepreneurs.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Write in detail about Knowledge discovery in databases.

23. Explain in deail the role of artificial intelligence in sports.

24. Write in detail, garment fit and consumer perception of sportswear and body scanning on garment development.

25. In your view, how will future of entrepreneurship look like? Explain.

(2×15=30)