27633

Reg. No. | | | | | | | | |

VI Semester B.Sc. Degree Examination, August/September - 2023

INTERIOR DESIGN AND DECORATION

Interior Design - VI Sustainable Design

(CBCS Scheme F and R 2019-2020 Onwards)

Paper : ID603A

Time : 3 Hours **Maximum Marks : 70**

***Instructions to Candidates*:**

1. All Sections are compulsory.
2. Illustrate Wherever necessary.

SECTION -A

I. Answer any Ten of the following. **(10×2=20)**

1. Mention the 4C's of Sustainability?
2. What is circular economy?
3. What do you mean by sustainable design?
4. What is rain water harvesting?
5. Name any two tools adopted in green buildings.
6. Mention any two limitations involved in designing green spaces.
7. List the positive signs of ecological analysis.
8. Define ecology.
9. Expand BEE and UPVC.
10. Name any two certification system.
11. List any two renewable energy sources.
12. What are the 4 common features of sustainable design?

[P.T.O.

SECTION - B

II. Answer any Five of the following. **(5×4=20)**

13. Briefly explain the benefits of sustainable design.
14. Expand and briefly explain the following
    a) CASBEE
    b) GRIHA
15. Discuss the climatic conditions which effects sustainable construction.
16. List the types of rainwater harvesting methods.
17. Name any two renewable resources and explain.
18. What are the limitations involved in designing green buildings?
19. Explain the understanding of design principles of day - lighting.

SECTION - C

III. Answer any Five of the following. **(5×6=30)**

20. Explain the sustainable methods adopted in current scenario.
21. Explain the terms
    a) Mud brick.
    b) Fly ash blocks.
    c) Non VOC paints
22. Explain the different methods in designing a green space?
23. Explain , how RWH be used in domestic water usage?
24. Expain in detail about sustainable materials in building construction.
25. Explain in detail methods in watering and maintaining indoor plants and water bodies.
26. Suggest a few principles to be followed to incorporate sustainability in interior design project.
