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DCID502

Reg. No.

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V Semester B.Sc. Degree Examination, December/January - 2025/26

INTERIOR DESIGN AND DECORATION

Building Services - Plumbing and Sanitation

(NEP Scheme 2021-24 onwards Freshers+Repeaters)

Paper : ID-T5.3

Time : 2½ Hours

Maximum Marks : 60

Instructions to Candidates:

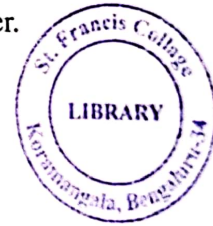
1. All Sections are Mandatory
2. Illustrate wherever necessary.

SECTION - A

I. Answer any Ten of the following.

(10×2=20)

1. List any four sources of drinking water.
2. Define Plumbing.
3. What is Septic tank?
4. Mention the standard dimensions for Inspection chamber.
5. Name any two different types of handwash Basins.
6. Interpret Natural ventilation with a neat sketch.
7. What is Air Conditioning?
8. Recall the duct table system with any two types.
9. List any two causes of fire.
10. Draw a neat sketch of water closets and lable the parts.
11. What are diffusers?
12. List the different types of air conditioning system.



SECTION - B

II. Answer any Five of the following.

(5×4=20)

13. Illustrate a two BHK Residential Building and provide features of cold water supply.
14. State the different types of hot water supply for Residential Building.
15. State the advantages and disadvantages of Septic Tank.

[P.T.O.]





16. Summarize Natural ventilation with the following details.
 - a) Calculation of openings
 - b) Guidelines for Natural Ventilation
17. Determine the measures for fire resistant construction.
18. Explain the working principle of A.C with a neat diagram.

SECTION - C

III. Answer any Four of the following.

(4×5=20)

19. Explain traps and its types with a neat diagram.
 20. Describe the need sanitation. Suggest measures for Environmental protection.
 21. Mention the criteria for fire safety as per NBC Clause in Residential Building.
 22. Compare geyser, solar gas water heater with a chart.
 23. Write a short note on sanitary fitting. Illustrate wherever necessary.
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