

839009



DCID315

Reg. No.

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III Semester B.Sc. Degree Examination, December/January - 2025/26
INTERIOR DESIGN AND DECORATION
Interior Services- II - Plumbing, Sanitation and HVAC
(SEP Scheme 2024-26 onwards Freshers)
Paper : IDD3.3T

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- i) All sections are necessary.
- ii) Illustrate wherever necessary.

SECTION - A

I. Answer any TEN of the following.

1. Mention different sources of water.
2. List different types of geysers.
3. Mention 2 types of patterns used in water distribution.
4. Define septic tank.
5. Mention the purpose of using Trap.
6. List types of water closet.
7. Define ventilation.
8. List benefits of mechanical ventilation
9. Mention types of fans.
10. Mention the components of HVAC.
11. List any two causes of Fire.
12. What are the merits of fire protection in building.



(10×2=20)

[P.T.O.]





(2)
SECTION - B

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II. Answer any FIVE of the following.

(5×4=20)

13. List the objectives of water supply systems.
14. Write a short note on inspection chamber or manhole.
15. Explain methods of heating water.
16. List different types of air conditioning systems.
17. Write a short note on fire detectors.
18. Write a short note on recycle and reuse of wastewater.
19. List guidelines for natural ventilation.

SECTION - C

III. Answer any Five of the following.

(5×8=40)

20. Explain different classification of water supply systems at both municipal and domestic level with neat sketches.
 21. List and explain different types of traps with neat sketches.
 22. Explain briefly working principle of geysers.
 23. Sketch a water supply layout for bathroom.
 24. Explain the process of calculating opening for natural ventilation and list its benefits
 25. Explain working principle of Air conditioning.
 26. Write a short note on safety fixtures used in fire protection.
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