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**V Semester B.Sc. Degree Examination, January/February - 2025****INTERIOR DESIGN AND DECORATION****Intelligent Buildings****(NEP Scheme 2021-22 Onwards)****Paper : ID-E1 5.6****Time : 2½ Hours****Maximum Marks : 60****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. What are BMS controllers?
2. Define smart cards.
3. What are IP cameras?
4. Define motion detectors.
5. Expand and define CCTV.
6. Define MEP designs.
7. Mention 2 advantages of analog cameras.
8. Mention 2 components of Access control system.
9. State two differences between DVR and NVR system.
10. Expand FAS system.
11. What are fire detectors?
12. Mention any 2 reasons for building automation.

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DEID506

**SECTION - B**

**II.** Answer any **FIVE** of the following.

**(5×4=20)**

13. List benefits of FAS system to building owners.
14. State the difference between PIN access control and Biometric access control system.
15. What is BAS system? How is human comfort be acheived by adapting BAS.
16. Write short notes on types of Fire detectors.
17. Define AHV. List the applications of the Same.
18. Explain the advantages and limitations of Biometric system.

**SECTION - C**

**III.** Answer any **FOUR** of the following.

**(4×5=20)**

19. What are RFID cards? Explain its working principle.
  20. Write a note on limitations of Intelligent Buildings.
  21. Explain lighting control system for Building efficiency improvement.
  22. What are Intruder Alarm System? Mention the need for installation of the same.
  23. Elaborate the concept and application of Building Management System.
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