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Reg. No.

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V Semester B.Sc. Degree Examination, March/April - 2024

INTERIOR DESIGN AND DECORATION

Intelligent Building

(NEP Scheme 2020-2021 Onwards)

Paper : ID-E1 5.6

Time : 2½ Hours

Maximum Marks : 60

Instructions to Candidates:

- i. All Sections are compulsory.
- ii. Illustrate wherever necessary.

SECTION - A

Answer any **TEN** of the following.

(10×2=20)

1. What are sensors and controllers?
2. What is an analog camera?
3. Define smart buildings.
4. Expand and define DVR and NVR.
5. List 2 applications of BMS.
6. What are the components of access control system?
7. Expand and define LAN and WAN.
8. List 2 uses of door video phones.
9. Define PAS and DDC system.
10. Define BMS.
11. State 2 difference between green buildings and smart buildings.
12. Mention any 2 reasons for building automation.



SECTION - B

Answer any **FIVE** of the following.

(5×4=20)

13. List environmental benefits of adapting BAS.
14. Write a short note on fire detectors.

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15. Elaborate the concept of smart design ideas of automation.
16. Explain the benefits and limitations of biometric system.
17. Differentiate between IP camera and analog camera.
18. Write a note on evolution of FAS.

SECTION - C

Answer any **FOUR** of the following.

(4×5=20)

19. What is BAS. How human comfort is achieved by adapting BAS.
 20. How is BAS effecting energy efficiency in buildings.
 21. Explain in detail routine maintenance activities of BMS.
 22. Write a short note on different digital locking systems in automation system.
 23. List the need to introduce FAS during MEP design. Explain the fire panel interfacing with access control system.
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