

Reg. No.

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BIDIDC 254

**Credit Based V Semester Equivalent Subject for VI Semester
B.Sc. (ID and D) Examination, September 2022
(2015-16 and Earlier Batches) (Repeater)
BUILDING SERVICES – II**

Time : 3 Hours

Max. Marks : 120

Instruction : Draw *neat sketches wherever necessary.*

PART – A

- I. Answer **any six** of the following : **(10×6=60)**
- 1) Explain energy system.
 - 2) Explain different types of AC and its installations.
 - 3) Explain thermal insulation for roofs, exposed walls and windows.
 - 4) Explain acoustical and thermal comfort.
 - 5) Explain different types of ventilation and its uses.
 - 6) Explain different types of shading and orientation devices.
 - 7) Explain Finger print system and Face recognition system.

PART – B

- II. Answer **any five** of the following : **(8×5=40)**
- 8) Explain about the materials used in thermal insulation.
 - 9) Explain indoor air quality.
 - 10) Write about smart cards and magnetic stripe card and its uses.
 - 11) Write about fire safety system used in building.
 - 12) Explain bar code reader and its operation process.
 - 13) Explain smoke control system.

PART – C

- III. Answer **any two** of the following : **(10×2=20)**
- 14) Explain computer networking.
 - 15) Explain solar gains and heat reduction.
 - 16) Explain C.C. cameras and its uses.
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