S.No. : 321

AR 606

No. of Printed Pages : 02

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 00134 Roll No.

B. Arch. Examination 2021-22

(Even Semester)

BUILDING SERVICES - III

(Mechanical Engineering)

Time : Three Hours] *[Maximum Marks : 50*

Note :– (i) Attempt any five questions.

(ii) Support your answer with proper sketches.

1. Discuss in detail the psychometric charts and how it is related to human comfort condition?

2. Explain in detail the summer and winter air conditioning. Draw neat sketches in support of your answer.

3. Discuss in detail the functioning of an escalators. Draw neat sketches in support of your answers.

P. T. O.

4. Elucidate in detail the section of a passanger lift showing all components.

5. Demonstrate the cyclic process of A. H. U and cooling plant in the central air conditioning.

6. Clarify the different types of lifts available in the market for various purposes and discuss any one in detail.

7. Demonstrate the working process of an split air conditioner. Show the entire refrigeration cycle.

8. Explicate the installation process and requirement to be provided by the architect for the installation of lifts and escalator in a building.

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