

SEC-2

Q1Ans Heating Ventilation \rightarrow Air Conditioning (HVAC)

- The acronym HVAC stands for heating, ventilation and air conditioning and its the broadly used term to describe equipment used to keep homes at a comfortable temperature. In the residential sector most HVAC system, in Texas are forced-air heating and cooling system that include heat pumps, air conditioners and furnaces.

- Air conditioning :- The process of creating, controlling and maintaining indoor atmospheric conditions best suited to the requirement of man or to the need of industry is known as air conditioning.

2. Mechanical lifts and Escalators :-

1. An elevator is a hoisting and lowering mechanism equipped with a car or platform that moves along guides in a shaft, or hoistway, in a substantial vertical direction and that transports passengers or goods or both, between two or more floors of a buildings.

hospital beds and of attendants accompanying them.

3. Freight elevator carry freight, which may be accompanied only by an operator and persons necessary for loading and unloading it.

4. Elevators, however, are not usually accepted as a mean of egress, because no cohesive strategy has been established to assure proper operation of elevator in an emergency.

5. Nevertheless, elevators are vital for fire fighting in high-rise building.

3. Fire Fighting \rightarrow Fire Protection of Buildings:

Fire Fighting:- Fire fighting is the act to prevent the spread of and extinguish significant unwanted fire in building, vehicles, woodlands, etc. Fire fighting suppresses fire to protect lives, property and the environment, and fire fighting typically undergo a high degree of technical training.

Fire Protection:- 1. It is defined as the protection of the occupants of the building, contents and structure of the building from the risk of fire and spread fire.

2. The objective is achieved by using fire resistive material in the construction.

3. These measures are essential to minimize the spread of fire and limit the total damage to a minimum.