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Total No. of Pages : 02

Total No. of Questions : 01

B. Arch (Sem.-6)
ARCHITECTURAL DESIGN-VI
Subject Code : AR-322
Paper ID : [A0932]

Time : 12 Hrs. (Continue Next Day)

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Read the question paper carefully and refer the enclosed site plan. At the end of the first session of 4 hours, you are required to submit preliminary sketch design along with the concept of your proposal.
2. The preliminary submission will not be returned to you, therefore, retain the copy of plan (s) for your reference.
3. No major deviation from original concept is permitted in the final submission.
4. Building should have accessibility to the physically challenged persons. Students are free to assume the missing data, if any.

“Energy Efficient Housing” at Amritsar

“Energy efficient Housing” is the design of homes that generally maintain an internal living environment for human comfort throughout the year, using very little or no energy for cooling or heating. Similarly, there is only a need for minimum energy for lighting, water heating and other services necessary for comfort and amenity. It takes a holistic approach to housing design and construction that recognizes and embraces the concepts of sustainability, affordability and climatic appropriateness in a responsible and responsive manner.

University teacher's house building co-operative society has been allotted a site in Amritsar measuring 150mt X 80mt with 15mt wide road along 150 meter frontage. It intent to construct a total of 50 nos. flats, each flat with total floor area 170 sq.mt. The maximum ground coverage is 40% of the site area and maximum permissible height is 20mt. Layout of housing colony should ensure that there are traffic free areas for children to play and other such activities.

REQUIREMENT

1. Flat area 170 sq.mt will have 3 bed rooms, Drawing room, Dining space, Kitchen, Store, and minimum 3 Toilets out of which two shall be attached.

2. One Car parking space for each flat shall be provided.
3. Each flat should be designed to have at least 2 balconies attached to appropriate space.
4. Care Taker room and Security check post shall be provided.
5. A children park in open space shall be designed.
6. Details of road network, pathways and other services shall be provided.

DRAWING REQUIREMENT

(Choose suitable scale)

1. Site Plan
2. Plans at all levels
3. Minimum of two Elevations and two sections
4. Perspective View/sectional view