

S.No. : 317

AR 601

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B. Arch. Examination 2021-22

(Even Semester)

ARCHITECTURAL DESIGN - VI

Time : 12 Hours]

[Maximum Marks : 100

“TERRACED HOUSING”

Introduction :

When design is spontaneous and coupled with experience, it give one the momentum to experiment with different concepts, methods and approaches. The house is conceptualized as a performative architecture and landscape design with a carefully interwoven built form that strongly responds to the site context. The word housing has a broader meaning than the house. Housing does not means only the physical structure in which human beings dwell, but also the relation of a house to a house, house to neighbourhood and then

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the community. The broad objective of a housing program is to create adequate supply of good dwelling and also providing an environment for habitat.

INTENT :

- To develop student's creative ability in architecture where a design solution is obtained by grouping individual repetitive units.
- The emphasis is given to design solution in terms of 'UNIT DESIGN' and appropriate linkages between units and groups of units to common areas i.e. - horizontal and vertical circulation like corridors, stair case etc.

Design Problem :

Large housing projects are being planned in the urban center in order to provide shelter alongwith terrace to each and every individual to the inhabitants in high rise buildings. In most of the housing designs, the approach is limited to creation of facilities to each and every individual residential units with the result that left over spaces have hardly any function to perform except that of the lighting and ventilation.

In addition, as a statement of high end life style, the minimum requirements for a dwelling unit has been modified to a bigger space requirements for a dwelling unit has been modified to a bigger space requirements. People require spacious dwelling units as their habitat which needs to be associated with all necessary as well as luxury facilities like swimming pool, personal parking, private terrace etc.

The objective of this design problem is to create housing for multiple users, groups or a community. The study of the interrelationship of a unit to the other and one type to the other housing type will determine the design of the housing.

Site - (Rectangle site - 85 mt $\times$ 65 mt with longers side on east)

FAR - 2.5

Ground coverage - 30%

FCS - 1.5 per 100 sq. mts.

Drawing requirements :

Type I - Two bedroom flats - 130 sqm. (approx.)

Type II - Three bedroom flats - 160 sqm. (approx.)

Type III - Four bedroom flats - 200 sqm. (approx.)

[P. T. O.]

AR 601

4

- Clubs
- Swimming pool
- Recreational areas
- Parking and other facilities as per user requirement

Design sheet requirements :

(1) Concept	20 Marks
(2) Site plant with site section	15 Marks
(3) Floor plans	30 Marks
(4) Sections	15 Marks
(5) Elevations	15 Marks
(6) 3D views	5 Marks
