

B.Arch. Sixth Semester (Architecture Engineering) (CGS)
10047 : Architecture Design - VI : 06 AR 01

P. Pages : 2

Time : Eighteen Hours



AU - 2829

Max. Marks : 150

- Notes :
1. All question carry equal marks.
 2. Answer **any one** question.
 3. Assume suitable data wherever necessary.
 4. Retain the construction lines.
 5. Illustrate your answer necessary with the help of neat sketches.

Important Instructions of marks allotment

- 1) Final submission : - This work shall be done to suitable scale so as to understand complete design scheme to the examiner, with the help of following minimum drawings –
 - 1) First day's submission – Important data collection, Area analysis, circulation & flow charts of activities and building line plan – 15 Marks.
 - 2) All floor plates with furniture layout – 60m.
 - 3) Site plan showing entry, exit, parking, landscape etc – 20m
 - 4) Two major Elevations – 20m.
 - 5) Two sections – 10m.
 - 6) Road side view – 15m.
 - 7) Concept reflection – 10m.
- 2) First Day's work :- This work shall be submitted at the end of the first day. This work will not be returned to the students. Do not make any change in the planning like changes of plan form, major additions of areas, floors etc. Major deviation from this first day's work is not allowed.
- 3) Students are not allowed to take out of exam hall, question papers any drawing paper, sheets etc. Use of Architectural data book/tables at the time of exam is not allowed. The credit shall be given to methodical work & neat presentation.
- 4) Candidates may assume suitable areas if not given for different functional requirements. You also may combine spaces for some of the activities together & may also add reasonable spaces like connecting corridors, circulation spaces etc.

1.

Title : - Green valley Residence

Brief :- This is type of week end house or vacation house located at Chikhaldara hill station, in Amravati district of Maharashtra. The Marathi owner wish to have informal conducive environment connecting to nature.

Site :- The site is in Chikhaldara hill station, the plot of size is 25Mx35M. The 9m wide road is on the shorter side of plot. The approaching road is on the west side. The beautiful green valley is in the close vicinity on North-East side of plot. This valley view, would be seen from most of the rooms of house and court yard.

- A) Requirements of house to be accommodated on Ground floor –
- 1) Car porch, Parking for two cars, two bikes & three cycles. – Work out as required.
 - 2) Entry & foyer – 40 sq.m.
 - 3) Corridor, Passages – As required.
 - 4) Guest bed room, toilet, sit out – 40 sq.m.
 - 5) Informal living open court to view green valley & connecting to nature – 80sq.m.
 - 6) Home theatre – 50 sq.m.
 - 7) Servant's room, Small kitchen, attached bath & Wc – 25 sq.m.
- B) Requirement of house to be accommodated on upper floors –
- 8) Bed room with toilet & Balcony – 40 sq.m.
 - 9) Parent's bed with toilet & Balcony – 40 sq.m.
 - 10) Owner's bed with toilet & beck – 50 sq.m.
 - 11) Kitchen, Work area, Utility, store, & dining = 50 sq.m.
 - 12) Open dining on terrace attached to Kitchen for out door dining – 45 sq.m.
 - 13) Family room – 40 sq.m.
 - 14) Hobby room – 30 sq.m.

OR

2.

Title :- College Cafe & Gym

Brief :- A science college at Nagpur, with good already developed college campus, wish to construct a building block, which accommodates college cafe on Ground floor and on first floor Gym for students. The aim of the project is to provide relief from a formal study curriculum at the same time breaking out from the tradition of a canteen to a more acceptable 'Food court' format, an environment favoured by today's generation.

- a) Cafe activities on ground floor
- 1) Entrance court & lobby – 30 sq.m.
 - 2) Covered dining area – 60 sq.m.
 - 3) Covered snack area – 50 sq.m.
 - 4) Open court cafe – 50 sq.m.
 - 5) Kitchen, Store, Food & beverage store, Pantry, Utility → 80sq.m.
 - 6) Token/Billing counter – appropriate size.
 - 7) Ice-cream & chocolate counter – 20 sq.m.
- b) Gym on first floor.
- 1) Gym Hall – 100 sq.m.
 - 2) Entrance, waiting, office, enquiry – 40 sq.m.
 - 3) Changing, lockers, wash room for girls and boys separate with area 30 sq.m. each
 - 4) Yoga/meditation Hall – 40 sq.m.
 - 5) Dance studio with large screen & music system – 40 sq.m.
 - 6) Gym equipment, Furniture store – 30 sq.m.
 - 7) Indoor game room – 40 sq.m.

Site :- The plot of land is in the campus it self with access from East. The plot facing East & having size 35mx40m. The 35m wide side of plot is facing to east SQ direction.
