

B.Arch. Eighth Semester (Architecture Engineering) (CGS)

10065 : Architectural Design-VIII

08 AR 01

P. Pages : 2

Time : Twenty Four Hours



AV - 3199

Max. Marks : 200

- Notes :
1. All question carry equal marks.
 2. Answer **any one** question.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.
 5. Illustrate your answer necessary with the help of neat sketches.

Important Instructions of Marks Allotment :

- i) 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
 - i) First day's submission - Important data collection, Area analysis, circulation & flow charts of activities and building line plan - **25 marks**
 - ii) All floor plates with furniture layout - **60 marks**
 - iii) Site plan showing entry, exit, parking, landscape etc - **25 marks**
 - iv) Two major elevations - **35 marks**
 - v) Two sections - **25 marks**
 - vi) Road side view - **15 marks**
 - vii) Concept reflection - **15 marks**
- ii) 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.
- iii) 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.
- iv) 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.

Business Centre

Following are activities & spaces to be provided -

- i) Multipurpose hall for the large business gathering for about 500 people with stage, backstage, Green room 2 Nos. Public entrance & VIP entrance, Prefunction area, Wash room for ladies & gents. The area may be about 950 sq.m. in all.
- ii) Business Interaction Circle : Conference room two Nos. for 40 persons each. Two meeting rooms each for 25 persons. Product or materials display room 100 sq.m. Workshop two Nos. each of 50 sq.m. Also provide Pantry, Store, Wash rooms etc for this section.

- iii) Knowledge Centre : Provide multimedia lab of 50 sq.m. Member's library of 80 sq.m., Information centre of 60 sq.m., Two Hardware Workshops of 40 sq.m. each. Two lecture halls of 70 sq.m. each. Faculties office area for 10 teaching staff.
- iv) Food Court : Make provision for cafeteria with indoor & outdoor seating for 40 persons each. Dining Hall for 40 persons. Necessary Kitchen, Pantry, Store, Utility, beverage storage, staff room etc.
- v) Service spaces / activities - Stair cases, fire stairs, lifts, wash rooms, parking, electric room parking, etc. to provide where necessary.

Site : The plot is at Pune, workout & suggest suitable plot size, plan the building for atleast G+2 structure. On ground 50% ground coverage is allowed. Assume suitable direction for plot as North & provide road from this direction. Permissible FSI is 1.33 plan the things as per DCR.

Deluxe Hotel

By considering following activities & functions provide spaces and prepare good workable plans of different floors for a deluxe hotel. Suggest good location on site plan for swimming pool and parking lot.

- i) Car Porch, drop of point, reception, entrance lobby, waiting lounge, security booth / desk, alcove for baggage, bell captain, area about 100 sq.m.
Front office, manager cabin, staff meeting room, event manager cabin etc, area about 70 sq.m. to provide. Provide ladies & gents wash room at appropriate location to this area.
- ii) Restaurant - Coffee shop with open & covered area for 40 persons each. Dining Hall for 60 persons. Kitchen, Pantry, Storage, beverage room, utility area etc about 80 sq.m. to provide.
- iii). Shopping in Front area of hotel, consist of about 8 shops of 20 sq.m. each with separate approach from outside for owners & approach from hotel to guests.
- iv) Banquet Hall for 500 guest, for wedding receptions & parties, with back stage, two green rooms, stage, small wash room for Guests, prefunction area, separate entry with portico, about 800 sq.m. area, in total.
- v) Guest Rooms
 - i) Single occupancy Room - 20 sq.m. each 16 Nos.
 - ii) Double occupancy Room - 30 sq.m. each 24 Nos.
 - iii) Classic suits - 40 sq.m. each 10 Nos.
- vi) Services areas - for laundry, electric room, server room, stair cases, lifts, service rooms etc. to provide adequately.

The Plot :

The Plot is at Amravati, work out & suggest suitable plot size require for, plan the building for atleast G+2 structure. On ground floor 50% ground coverage is permissible. Assume suitable direction for plot as North & provide road from this direction. Permissible FSI is 1.5, plan the things as per D.C.R.
