

AV – 2728

Fourth Semester B. Arch. Examination

ARCHITECTURE DESIGN – IV

Paper – 04 AR 01

(USC – 10028)

P. Pages : 3

Time : Twelve Hours]

[Max. Marks : 100

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- Note :** (1) Answer only **One** question.
(2) Assume suitable data wherever necessary.

INSTRUCTIONS

1. Assume suitable areas for different functional requirements. Add reasonable built and unbuilt spaces if required.
2. Due importance should be given to natural ventilation and hierarchical circulation in the designed spaces.
3. Students should not take the first day's work at home in any format. Use of Architectural data book / tables at the time of exam is not allowed. Sequential work and neatness will be given importance.
4. Requirements of submission :—
 - (i) Day One Submission :—
 - (a) Circulation study, line plan, area analysis
 - (b) requirement regrouping, design concept etc.

Note : (a and b are having 10 marks each). 20

- (ii) Site Plan showing entry, exit, parking, co – relation built and unbuilt spaces by landscaping areas. 15
- (iii) All floor plans with necessary furniture layout 25
- (iv) Two interesting elevations 15

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- (v) One building section passing through staircase, toilets, interesting building spaces to be explained 15
- (vi) Building view. 10

GAMING ARENA

Requirements :---

1. Entrance porch, waiting area, enquiry desk = 30 sq. m.
2. Registration desk, office area and Manager's Office = 40 sq. m.
3. Changing room with lockers for male and female = 20 sq. m. each
4. Wash room with 4 shower cubicles. WC's 2 No. Urinals 4 Nos. wash basins adequate no. for male and female = adequate area.
5. Gymnasium Hall = 50 sq. m.
6. Yoga and Meditation Hall = 50 sq. m.
7. Instructor's Room = 20 sq. m.
8. Refreshment area including outdoor seating for 20 people of 30 sq. m. and kitchen and ancillary service area of 15 sq. m.

The plot size is 40 M x 60 M. The road of 12 M is on shorter side of the plot which faces the East.

Provide proper spill over spaces on the front side to create inviting character and place, parking activity accordingly. Leave adequate set – backs from all sides of the plot.

MOTEL

The site lies on a busy road connecting two big cities. The plot size is 40 M x 60 M , facing the road on East side, of the shorter side of the plot. Road width is 15 M. Adequate set backs are to be provided. Provide parking for 4 wheelers and 2 wheelers which would be easily accessible by the users but not creating a visual blockage at the entrance. Treat entrance areas in inviting ways providing the users a relaxed feeling by giving spill over spaces for visual

relaxation and circulation areas.

Requirements :—

1. Entrance Porch, Lobby and waiting space — 20 sq. m.
2. Covered eating Hall — 40 sq. m.
3. Open eating area — 40 sq. m.
4. Kitchen and Allied service area = 32 sq. m.
5. Kitchen store and utility — 15 sq. m.
6. Store for ice – creams and cold drinks — 10 sq. m.
7. Space for cash counter and Manager's cabin — 15 sq. m.
8. Family dining — 40 sq. m.
9. Outdoor children's play area — 40 sq. m.
10. Wash room for male and female — adequate area

