



Printed Pages : 3

AR-401

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 8542

Roll No.

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B. Arch.

(SEM. IV) EXAMINATION, 2006-07

ARCHITECTURAL DESIGN - IV

Time : 12 Hours (6×2 Hrs.)]

[Total Marks : 100

- Notes :**
- (1) *The duration of examination is of 12 hours with a sitting of six hours a day on two consecutive days.*
 - (2) *The students will be given 3 butter sheets and 3 cartridge sheets for the examinations.*
 - (3) *Incomplete sheets can be left on the drawing boards in the examination hall, which can be completed and submitted on the second day.*
 - (4) *Use appropriate scales. Assume details / data not given.*

PRIMARY SCHOOL

General – To cater to the needs of working women we require good primary schools having day boarding facilities for the students. As more young women are now taking up responsible jobs, with little time left for their children. Yet they have to fulfill their social and family obligations and look after their young children. This scenario has necessitated creation of very good primary schools, unlike old primary schools, these new

primary schools, will have to make provision for much longer stay of children (at least 8 hrs.) say from 9.30 am to 5.30 pm during which they will learn and play under care of their teachers and also take rest. Mid-day meals (lunch) and snacks will be served by the school to all the children.

You are required to design such a school. This school will have the ambience and facilities to suit the life style of children coming from high-income working parents, who can afford to pay higher fees for such exquisite level of facilities. The school has arranged to provide lunch from a renowned hotel but the snacks shall be prepared in the school itself.

Users – The school will admit students from 2 age groups – 5 to 7 years old and 7 to 10 years old. Each class shall have a maximum of 25 students; with two sections of each class the total number of students shall be 5×25 i.e. 125.

Site – The site available is 75 m \times 90 m; it is located on the corner, at the junction of two roads. The south side of the rectangular site is 75 m, and has a 30 m. wide road, while the eastern side (90 m) is on 20 m wide road.

Requirements – The main requirements are as follows :

- Five class rooms / playrooms for 25 – children each. The two rooms for the youngest age group (5 to 7 years) shall have attached toilets; the other rooms shall have common toilets. Proper uses of the toilets, washing hands cleaning teeth etc. are a part of their education. These rooms will have facilities for T.V and audio-visuals as also the requisite space to arranging furniture to seat children in informal groups.
- General Office to seat 4 office assistants.
- Principal's office with an anteroom for receptionist and visitors.

- Staff room for about 10 teachers.
- Multipurpose hall (about 250 sq.m) for play, rest, exhibitions, and such other school activities.
- One Music and Dance room (about 80 sq.m)
- Medical check-up unit : one room for doctor and one room with two beds for treatment and rest of children who require isolation.
- Kitchen and pantry (about 50 sq.m)
- Toilets for children, staff, visitors
- Sufficient areas for such activities as cage for birds and pets, dolls' house, garden, open areas with play equipment.
- Parking for 6 cars of teachers and 2 of visitors
- Parking for 2 school buses.

You are permitted to use any structural forms and materials to ensure that the building represents the ambience and dignity of the school.

Drawings required : (Use any appropriate scales)

1. Site plan with concept
2. All floor plans
3. Two roadside elevations
4. At least one section.
5. Detailed plan of one classroom / play room showing anthropometrics.
6. One three-dimensional view.