

B.ARCH. SEM – VII (2010 COURSE) :WINTER - 2017

SUBJECT: ARCHITECTURE DESIGN-VII

Day: Monday
Date: 06/11/2017

W-2017-3257

Time: 10.00 AM TO 04.00 PM
Max Marks: 200

N.B:

- 1) Your answer will be valued as a whole.
- 2) Assume suitable data if necessary.
- 3) Single line sketch plan of the entire scheme with the site to the required scale shall be submitted by the candidates at the end of first day. These drawing shall not be returned to the candidates, therefore due record of the same should be kept for subsequent days. The candidate will not make any considerable departure from the sketch submitted on the first day.
- 4) The drawing should be self- explanatory.

HOMES FOR ELDERLY AT BHILAREWADI KATRAJ:

Janaseva Foundation, a well-known trust in Pune working towards the welfare of the elderly and the destitute, has 'Homes for Elderly' at Ambi, Panshet. Now they have proposed to build another campus for elderly near the 'Destitute Centre' at Bhilrewadi , Katraj

This 'Home for Elderly' is envisioned to have state of the art facilities with a barrier free design. Following are the program requirements of the campus.

A. ADMINISTRATION

1.	Entrance foyer	1	25 sq.m.
2.	Reception & Waiting	1	30 sq.m.
3.	Manager office with attached toilet	1	30 sq.m.
4.	Store room	1	10 sq.m.
5.	Consulting room	1	40 sq.m.
6.	Conference room	1	50 sq.m.
7.	Pantry	1	15 sq.m.
8.	Common toilet (Male/ Female)	1	40 sq.m.
	Total		240 SQ.M.

NO	REQUIREMENT	UNITS	AREA
B.	RESIDENTAL AREA		
1	Dormitory (4 inmates / dormitory, With 2 attached toilet/ bath) (total 48 inmates)	12(60 sq.m. each)	720 sq.m
2.	Special rooms. (20 Couples = 40 inmates)	20(50 sq.m. each)	100 sq.m
3.	Staff quarters	12(60 sq.m. each)	600 sq.m
4.	Guest quarters	2(60 sq.m. each)	120 sq.m

C.	MEDICAL CENTRE		
1.	Waiting room	1	15 sq.m.
2.	Doctors cabin	1	30 sq.m.
3.	Physiotherapy Clinic	1	40 sq.m.
4.	Ward (capacity 6 bed)	1	40 sq.m.
5.	Laboratory	1	40 sq.m.
6.	Common toilet (Male/ Female)	2(20 sq.m. each)	40 sq.m.

NO	REQUIREMENT	UNITS	AREA
D.	COMMON AREA		
1.	Dining	1	200 sq.m.
2.	Kitchen + wash+ storage	1	100 sq.m.
3.	Library	1	60 sq.m.
4.	Gym	1	80 sq.m.
5.	Club house (indoor games) (carom, chess, TT)	1	200 sq.m.
6.	Common toilet (male/ female)	1 (30 sq.m. Each)	60 sq.m.
7.	Laundry	1	20 sq.m.
8.	Outdoor badminton court	1	200 sq.m.

E. PARKING SPACE

1	Two wheelers-25
2	Four wheelers-5
3	Ambulance-2

Design Parameters.

- 1 Minimum side margin 4.5 M from all side.
- 2 Maximum ½ ground coverage of plot area (50%).
- 3 Maximum height of building 8.0M.
- 4 Campus should be a Barrier free campus to cater to needs of physically challenged people.
- 5 Necessary passages, corridors, staircase, lobbies should be provided as per design standards.
- 6 The structural components to be shown in plan and section.
- 7 Driveway, ramps, head room etc. should be as per standards.

Drawing requirements.

Day one.

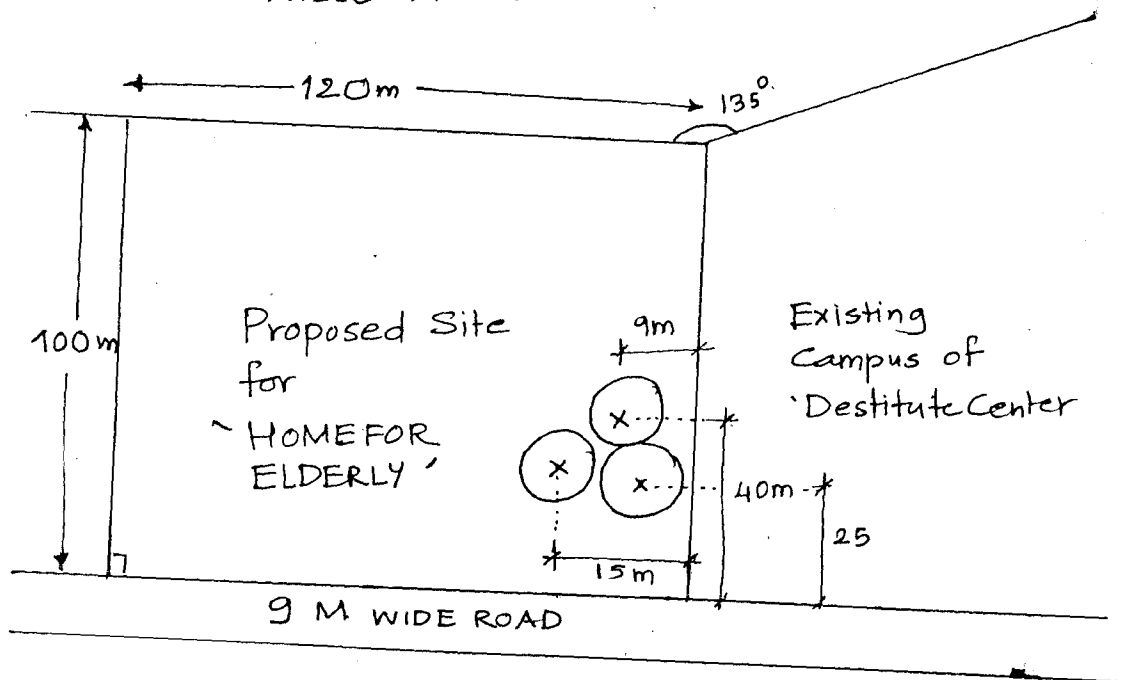
1)	Single line layout plan showing site details, building configurations, circulation, etc.	1:200
2)	Single line floor plans at all levels.	1.200

Final day.

1)	Single line layout plan showing site, building configurations, roofing system, parking, landscaping, driveways, walkways, etc.	1:200
2)	Double line plans at all levels with internal furniture lay- outs	1.200
3)	Minimum one site Section	1:200
4)	Minimum two building Section	1:100
5)	Minimum two Elevations	1:100
6)	Minimum one view	

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HILLS ABOVE



open plots with farming activity

