

B.ARCH. SEM – VII (2010 COURSE) SUMMER – 2019

SUBJECT: ARCHITECTURAL DESIGN-VII

Day & Date: Thursday 02/05/2019 To

Time: 10.00 AM TO 04.00 PM (Without Break First Day)

Saturday 04/05/2019

10.00 AM TO 05.00 PM (Break 01.00 PM TO 02.00 PM)

S-2019-3734

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 drawings 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.

PERFORMING ARTS CENTRE AT BANER, PUNE:

Baner in Pune, has been declared to be the 1st area to be demonstrated the 'Smart City' concept proposed at national level. Taking into consideration the need of the residential population in this area, Pune Municipal Corporation has proposed to build a Performing Arts Center in Baner.

A Requirements of Administration.

Nos.	Particulars	Area in sq. m
1	Landscaped Entrance Plaza and entrance lobby with reception and waiting	75.0
2	Administration office	100.0
	1. Managers cabin _____ 20.0sq.m	
	2. Office area for 5 nos. staff _____ 30.0sq.m	
	3. Meeting Room _____ 30.0sq.m	
	4. Pantry _____ 10.0sq.m	
	5. Store and server area _____ 10.0sq.m	
	6. Adequate toilets to be provided for both the sex.	

B Area requirement for convention Centre.

Nos.	Particulars	Area in sq. m
1	Auditorium seating capacity of 150 nos. with all necessary requirements (Ticket counter, managers room, stage, back-stage, press room, two green rooms and toilets, etc.)	400.0
2	Seminar hall of 30 seating capacity with audio-visual facility.	50.0
3	One Conference hall with small pantry and toilet.	75.0
4	Exhibition hall: covered 100 sq. m (additional 100 sq. m open space should be provided for outdoor exhibits).	100.0
5	Cafeteria of 30 seating capacity with kitchen, store etc.	75.0
6	Shops 5 no. of 15 sq. m each.	75.0
7	Adequate toilets to be provided for both the sex.	

C Area requirements of Services.

Nos.	Particulars	Area in sq. m
1	Air condition machine plant room	50.0
2	Electric Transformer, Electric meters and panel room	50.0
3	Generator room	50.0
4	Refuse disposal area	30.0
5	U.G. Water tank of capacity 50,000 lit.	
6	Firefighting systems, loading unloading platforms	

D Requirements of Parking

Nos.	Particulars
1	20 Cars
2	50 two wheelers
3	2 Buses

Design Parameters.

- 1 Minimum side margin 9.0 M from all side.
- 2 Maximum $\frac{1}{2}$ ground coverage of plot area (50%).
- 3 Maximum height of building 36.0.M.
- 4 Building should be Barrier free to cater to the 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.

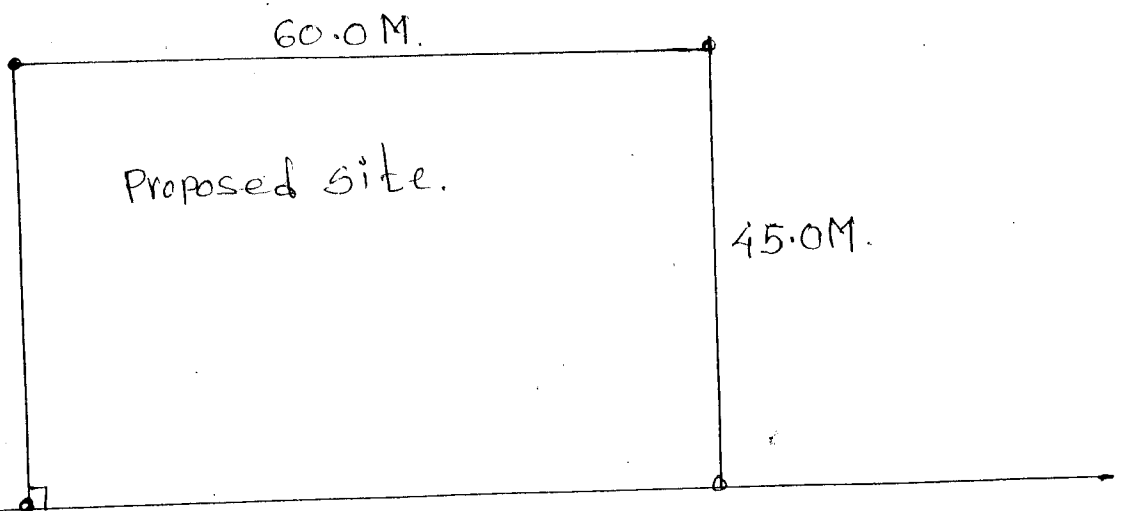
Drawing requirements.**Day one.**

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 layouts	1.200.
3)	Minimum one site Section	1.200.
4)	Minimum two building Sections	1: 100
5)	Minimum two Elevations	1: 100
6)	Minimum one view	

* * *



D.P. 30.0 M WIDE ROAD.

SITE PLAN.  N