Printed pages: 02 **Sub Code: RAR601/ NAR601**

Paper Id: **181288** **Roll No:** | | | | | | | | | | |

BARCH

(SEM VI) THEORY EXAMINATION 2018-19

ARCHITECTURE DESIGN-VI

Time: 7 Hours ***Total Marks: 75***

Note: 1. Assume any missing data wherever necessary & mention the same.
2. Two Butter sheets to be provided for sketch work, no marking will be considered for the work done on butter sheets, Final work should be composed on 4-5 cartridge sheet/ gateway (max. 5 sheets).
3. The drawings should be self-explanatory in all aspects mentioned.
4. The orientation of all the plans/layout must be maintained.
5. Choose appropriate scale of drwaings.

DESIGN PROBLEM: – FACULTY GROUP HOUSING

Group housing refers to a residential project built on a land parcel. Beyond the fundamental need of a shelter are the secondary needs of security, privacy, self esteem and individualization. The concept of group housing, therefore, goes much beyond sharing of mundane infrastructure - to the essential concept of community living. Of being a part of the social group having essentially a desire to share, participate, live in total harmony and thus enjoy. Communities survive enjoyably not because they live in close proximity but because they share common values resulting in social cohesion within a shared geographical location. Successful group housing schemes owe their success, therefore, not to extravaganza of facilities but more to their overall design concepts which afford personal, private and community living possible but also enjoyable.

Ansal Group housing scheme is an experiment in the direction of the aforesaid lofty intents if Ansal has to buy its faculty's loyalties and comradeship on a long term basis. For this he is making a small faculty housing for Faculty of Architecture, Engineering and Management near to Ansalniversity, Gurgaon.

The Housing Project:

Despite what has been said above, there are a set of fixed conditions that must be adhered to for this project. The above said fixed conditions consist of:

Site & Byelaws:

The site has an area of 10800 sq m (approx 1 hectare) as per enclosed diagram with a 12 m road on its North 120 m length

The set back lines are as under:

Towards the main road:	9 m
Other sides:	6 m
FAR:	100
G.F Coverage:	40%
No. of floors:	No restriction

Requirements:

Housing Units as per details below:

-	3 Bed room Units for Directors and Professors	10 Nos.	Area 130 sq m. each with one study room
-	2 Bed room Units for Associate Professors	20 Nos	Area 100 sq m each

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- 2 Bed room Units for Assistant Professors	40 Nos.	Area 90 sq m each

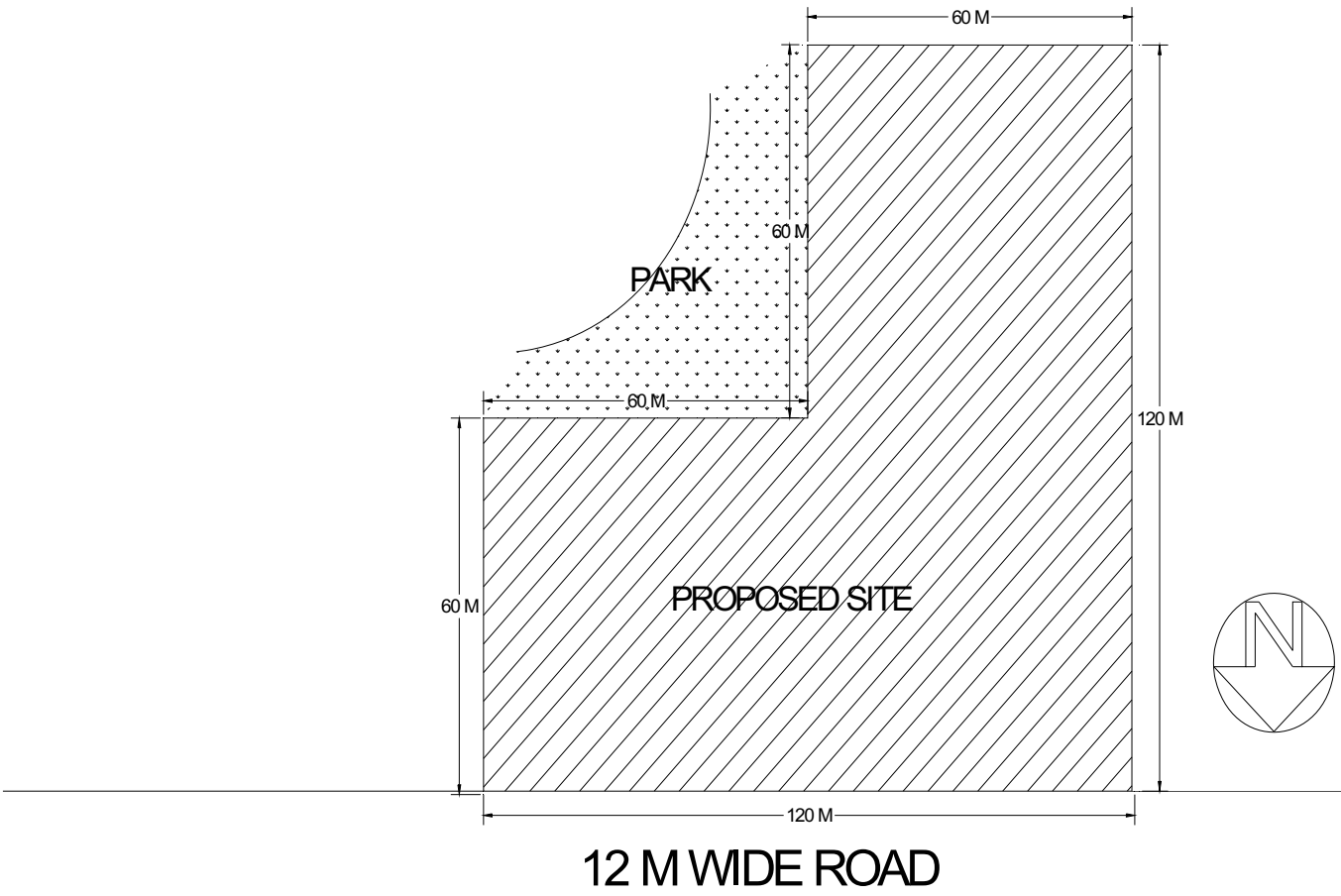
Community Facilities:

- Daily-need shops	2 Nos	15 sq m each
- Society's Multi-purpose Hall	1 No	250 sq m
- Nursery School of 2 rooms	1 No	

Parking:

- 1car parking for each for housing units of Professors and Associate professors
- 2 Scooter parking for each housing unit of Assistant Professors

Site Plan:



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Drawing requirement:

Q1.	**Explain the concept of the design through evolution sketches**	**(10)**
Q2.	**Site plan**	**(10)**
Q3.	**Draw typical unit plan for**	**(30)**
	- **Director's and professor**	
	- **Associate professor**	
	- **Assistant professor**	
Q4.	**One section and one elevation of any typical unit building**	**(15)**
Q5.	**Site section**	**(10)**