



Printed Pages : 4

AR-601

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

PAPER ID : 8548

Roll No.

--	--	--	--	--	--	--	--	--	--

B. Arch.

(SEM. VI) EXAMINATION, 2006-07

ARCHITECTURAL DESIGN - VI

Time : 12 (2 × 6) Hours]

[Total Marks : 100

- Note :*
- (1) The examination shall be held over two days. The drawings completed on the first day shall be left in the examination hall and shall be completed and submitted on the second day.*
 - (2) Suitable data can be assumed.*
 - (3) Design should be responsive to climate and surroundings.*
 - (4) National building code byelaws are applicable to the site.*
 - (5) Use appropriate scale suitable as per sheets provided.*

- 1. Library is described as the heart of any institute. 100**
It is said to be central workshop of an institute, which provides students, teachers and research scholars a place for advancement and acquisition of knowledge. The main function of a library is the collection and

preservation of knowledge for its dissemination to all. A well equipped and well managed library is the foundation of modern educational environment. The importance of a library in an institute can be appreciated properly and precisely only if we try to understand the changing concepts of today's education.

Educational institutions without Library Service is like a body without soul, a vehicle without an engine, an edifice – merely collection of bricks without cement. Education and Library are twin sisters, rather true lovers where one cannot live apart from each other.

It is the Architect's responsibility to create an appropriate physical environment conducive to study inside and outside the library. While designing a library it should be remembered that a library is a growing organism, therefore adequate care needs to be taken where there is an ample scope for horizontal and vertical expansion and the books are for use and not for storage i.e. the books stacks need to be easily accessible and the reading areas are to be conducive to study environment.

You are required to design a library for Lucknow University, New campus including books for about 8 branches. The number of students studying in the University's new campus is approximately 3000 at bachelors, masters and research levels and the total number of volumes of books in the library are 30000.

The broad requirements are given below :

- (a) Stacking area for 30,000 books. (@70 books / sq.m. including space for providing double steel book racks with ample space for aisles and main gangway.)
- (b) Reading Room (@ 2.5 sqm./student for 20% students i.e. for 600 students.
- (c) Space for administrative staff.
- (d) CD/DVD stacking area
- (e) Online journals / offline journals (The university subscribes about 10 online journals and about 30 offline journals)
- (f) Book binding section
- (g) Reprography section (Xerox machine)
- (h) Computer cataloguing area
- (i) Storage area

Site

The proposed site is a corner plot touching 24 m wide roads on the east and the north side of it.

The eastern boundary is 110 m long. The western boundary is 130 m long. The northern boundary is 65 m long.

On the eastern side of the plot, across the 24 m wide road is a lake and on the northern side of the plot across the road is the Lucknow University main hostel.

Drawing Requirements

- | | |
|-------------------------------|-------|
| 1. Site plan | 1:200 |
| 2. All floor plans | 1:100 |
| 3. Concept behind the design | – |
| 4. Elevations and sections to | 1:100 |

Explain the scheme :

5. An interesting view.
-