

MANIPAL ACADEMY OF HIGHER EDUCATION**FIRST SEMESTER B. ARCH. DEGREE EXAMINATION – NOVEMBER 2018****SUBJECT: ARC-14-101 – ARCHITECTURAL DESIGN & DETAILING – I
(2014 SCHEME)**

Tuesday, November 13, and Wednesday, November 14, 2018

(Tuesday 10:00 – 16:00; Wednesday 10:00 – 13:00 & 14:00 – 17:00)

Time: 12 Hrs. (in two days)

Max. Marks: 50

INSTRUCTIONS TO CANDIDATES:

- ✗ The first setting of 6 hours is continuous, at the end of which the candidate shall submit drawings as indicated. This submission will not be returned to the candidates, so they are advised to keep a copy of the first day's submission.
- ✗ No sheets will be allowed to be taken out of or into the examination hall.
- ✗ Non- messy snacks are permitted to be taken by students during examination.
- ✗ Answers shall be drawn and written on drawing sheets only.
- ✗ The medium of presentation – pencil, crayon, ink, etc. is left to the choice of the candidate.
- ✗ Assume suitable data wherever not given and state the same with justification.

DESIGN A SHOE LAUNDRY SHOP AT MIT CAMPUS

Design a Shoe laundry shop at MIT Campus. The proposed site is 100 square meters located in front of the MIT Playground in as shown in fig A.

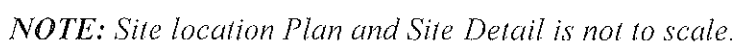
No. of staff working - 1 no.

Requirements for the design Problem are as follows.

SL NO	Description of Spaces	Area
1	Total site area	100 Sq.m
2	Maximum Built up area	50% of total site area
3	Counter	As per design
4	Storage space	As per design
5	Laundry area	As per design
6	Circulation space	As per design



- Figure 2: Site plan**



GUIDELINES FOR DESIGN:

1. Design should be barrier free.
2. Design shall be equipped to fulfill the light and ventilation requirements of the space with more emphasis on natural features.
3. Behavioral Science, Materials and building components shall be an integral part of design.
4. Assume suitable data wherever necessary.
5. Use of sketches to explain design schemes with reasons.

SUBMISSION SCHEDULE IS GIVEN BELOW:

1. Day – 1 Submission Requirements:

(Use of proportionate sketches to explain design schemes with reasons and analysis)

Stage: 1 Design Program

- i) Site analysis
- ii) Anthropometric study
- iii) Concept
- iv) Design development

(7½ marks × 4 = 30 marks)

2. Day – 2 Submission Requirements:

(Following drawings shall be sketched proportionately and neatly)

Sl.No.	Drawing	Scale	Nos.
1	Site plan	Shall be sketched proportionately	
2	Detailed plan with furniture layout	Shall be sketched proportionately	
3	Sections	Shall be sketched proportionately	Minimum of 2 nos
4	Elevation	Shall be sketched proportionately	Minimum 1 no.
5	Interior View	Scale to proportion	Minimum 1 no.
6	Exterior view	Scale to proportion	Minimum 1 no.
7	Model (Development/Final)		

(4+3+3+2+2+2+4 = 20 marks)

