

B. ARCH.
(SEM II) THEORY EXAMINATION, 2017-2018
ARCHITECTURAL DESIGN-II

Time: 3 Hours

Total Marks: 100

Note:

- *Read instructions carefully, attempt accordingly.*
- *All sections are compulsory.*
- *Support your answer with neat sketches*

SECTION – A

- 1. Mention the dimensions of any 5 of the following furniture with the help of neat sketches. (5 X3= 15)**

- a. Washbasin
- b. Urinal
- c. A desk with attached seating platform used in schools/colleges
- d. 3-seater sofa
- e. Western W.C.
- f. Computer Table

- 2. Mention the area required for any 5 of the following activities for a typical Indian male/female along with dimensions with the help of anthropometric data using sketches: (5X7= 35)**

- a. Reaching out to the top shelf of a kitchen cabinet
- b. Crouching down on knees for mopping
- c. Sitting on the study table for studying
- d. A 4-seater dining table for sitting and circulation around it.
- e. Using a drafting board along with a sitting stool
- f. Bathing (shower)

SECTION – B

- 3. Attempt any one questions. (1X 50= 50)**

- a. In a colony there is a need to construct a stationary shop for the people living there. As a designer you are given a piece of land where you are required to design it. The dimensions of the shop are 4000mmX4500mm. The required drawings are as follows:
 - i. Plan (1:20 scale)
 - ii. Front Elevation (1:20 scale)
 - iii. Side Elevation (1:20 scale)
 - iv. Section (1:20 scale)
- b. Derive anthropometrically the optimum sizes of a Triple seated hostel room having a door and a window for architecture students in an appropriate scale incorporating the following furniture:
 1. Bed – 3 num
 2. Drafting cum study table – 3 num.
 3. Cupboards – 3 num.
 4. Any other requirement the designer deems fit

The required drawings are as follows:

- i. Plan (1:20 scale)
- ii. Front Elevation (1:20 scale)
- iii. Side Elevation (1:20 scale)
- iv. Section (1:20 scale)