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## MANIPAL UNIVERSITY

### THIRD SEMESTER B. ARCH. DEGREE EXAMINATION – FEBRUARY 2016

#### SUBJECT: ARC 201 – ARCHITECTURAL DESIGN AND DETAILING – III (2014 SCHEME)

Thursday, February 25 and Friday, February 26, 2016  
(Thursday 10:00 – 16:00; Friday (10:00 – 13:00 & 14:00 – 17:00))

Time: 12 Hrs. (in two days)

Max. Marks: 50

#### INSTRUCTIONS TO CANDIDATES:

- ✍ The first sitting 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.
- ✍ Answers shall be drawn and written on drawing sheets only.
- ✍ The medium of presentation – i.e. 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 COMMUNITY CENTRE AT MANIPAL

Manipal, initially part of a village has now grown into a University Town. As such, attracting not only students but various people to come and settle here. Thereby, creating a need for better social and public Infrastructure for a healthy community.

Propose a design for one such community centre which would act as a focus for residential community here and get various people together for different events, leisure, recreation etc.

#### SITE DETAILS

The site is approximately 0.5 acre property facing a residential street on one side and a commercial street on one with residential properties on other sides.

Site Area – 0.5 acres

Height restriction – 8 m

Setbacks – 10m from road, 6 m on all other side.



The site plan shows a rectangular 'PROPOSED SITE' with a width of 50.0 and a depth of 45.0. The site is bounded by 'RESIDENTIAL PROPERTIES' to the north, west, and south, and 'COMMERCIAL PROPERTIES' to the east. The site is accessed via a '7 M WIDE RESIDENTIAL STREET' to the south and a '13 M WIDE ROAD' to the east. The site is bounded by a '2.4' wide strip to the north and a '2.4' wide strip to the east. The site is bounded by a '90°' angle to the north and a '90°' angle to the east. The site is bounded by a 'R2.5' radius to the east. A north arrow is located in the bottom right corner.

(Areas can be flexible up to 10-15%)

- Note:**

1. Design shall be barrier free.
2. Design shall be equipped to fulfill the light and ventilation requirements of the spaces with emphasis on natural features.
3. Be creative with the form and spaces.
4. Block model using thermocol/white ivory sheets/white foam sheet shall be made at any of the stages 3, 4 or 5.
5. Assume suitable data wherever necessary.
6. Drawing requirements as given should be free hand on graph sheet/rice paper/drawing sheets or any appropriate sheets provided during exam.
7. ***Use sketches to explain*** design schemes with reasons. Proportionate (In Scale) sketches would suffice. Double lined drafted plans not necessary.