MANIPAL UNIVERSITY

SIXTH/SEVENTH SEMESTER B. ARCH. DEGREE EXAMINATION – MAY 2017

SUBJECT: RESEARCH TECHNIQUES (ARC-14-308/ARC 411)
(2014/2010 SCHEME)

Saturday, May 06, 2017

Time: 14:00-17:00 Hrs.

Max. Marks: 50

- ✍ **Answer any FIVE full questions.**
- ✍ **Assume suitable data wherever necessary.**

1A. Elaborate the significance of Qualitative Research in Architectural domain.

1B. Briefly explain the 'Case Study' method of architectural research.

(6+4 = 10 marks)

2A. Discuss the importance of literature study in research process.

2B. "Effects of the class room environment on the student productivity"
   i) Identify the Independent variable with its attributes
   ii) Identify the dependent variable with its attributes
   iii) Formulate null hypothesis and alternate hypothesis for the above statement.

(3+(2+2+3) = 10 marks)

3. The following passage is an excerpt from newspaper article and is used for analysis of different utterances regarding a housing policy decision. Generate codes, categories, sub-categories from this excerpt so that same can be fed into generation of broad themes, concepts, points of arguments in framing of the social housing policy.

In photographs, Centre Village doesn't look like the generic image of social housing. A playful cluster of stucco buildings surround a serene inner courtyard. Located as it is on a street and sandwiched on either side by that city's typical modest, gable-roof houses; Centre Village has an almost surreal quality.

In person, however, the image quickly changes. The window blinds, for example, are closed on the windows that face into the courtyard. Litter is scattered across the ground. Speak to residents, and a new picture emerges: of apartments poorly suited to family life, and a building structure that seems to act as a magnet for drinking and drug-taking at all hours.

In May last year as we to this bustling city and expecting to make a documentary about the positive social impacts of this award-winning housing project. Instead, we found a building project badly affected by crime, with families living in cramped and unsuitable conditions. We also discovered that it was no longer a co-operative, that the community group who initiated the project had become disenchanted and that the development was up for sale.

Millar admits, in retrospect, that the plan was naive. "We should have done our homework," he said. The context is not all understood and the project has become a disaster.

(10 marks)

4. Assume any set of data with minimum sample size of 20 and calculate the mean, median, mode, variance and standard deviation for them.

(2 marks × 5 = 10 marks)

5A. Discuss on "Ethics while reporting research".

5B. What are the different referencing styles? Explain at least two of them using relevant examples.

(3+(3+4) = 10 marks)

6. **Writes short notes on:**

6A. Cluster sampling

6B. Ordinal scale

6C. Triangulation

6D. Funnel type questions

(2½ marks × 4 = 10 marks)

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