Reg. No.									

MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH/SEVENTH SEMESTER B. ARCH. DEGREE EXAMINATION – APRIL 2018

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

Monday, April 16, 2018

Time: 14:00-17:00 Hrs.   Max. Marks: 50

✍ **Answer any FIVE full questions.**

✍ **Assume suitable data wherever necessary.**

1. **Write short notes on:**
1A. Research Question
1B. Hypothesis
1C. Snowball sampling
1D. Cross sectional research and Longitudinal research

(2½ marks × 4 = 10 marks)

2A. Explain the principles of writing good research report. How is a report different from a journal or an academic paper?
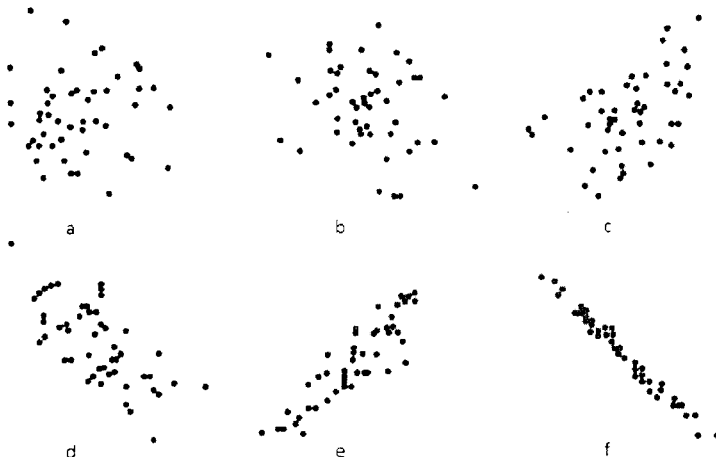
2B. What do you mean by validity and reliability of a research scheme? Explain using examples.

(5+5 = 10 marks)

3. What are the different types of measuring and scaling techniques? Explain with examples and their usages in different research schemes.

(10 marks)

4. Explain different types of sampling techniques. What factors govern selection of a relevant sample scheme in a research project?

(5+5 = 10 marks)

5A. The design studio suggests undertaking a Case Study Method research scheme to propose improvement in design of Kindergarten schools. Explain the process flow chart.

5B. Identify the figures which represent variables with high correlation values.

(5+5 = 10 marks)

a   b   c

d   e   f

6A. Explain different measures of central tendency and their applicability in specific cases.

6B. Explain the process of undertaking interviews and methods of analyzing interview data.

(5+5 = 10 marks)