School of Architecture

School of Engineering & Technology

KALSEKAR TECHNICAL CAMPUS

INNOVATIVE TEACHING   EXUBERANT LEARNING

School of Pharmacy

Knowledge Resource & Relay Centre (KRRC)

AIKTC/KRRC/SoET/ACKN/QUES/2019-20/   Date: _____

School: ___SoET___   Branch: ___ME-CEM___   SEM: ___II___

To,
Exam Controller,
AIKTC, New Panvel.

Dear Sir/Madam,

Received with thanks the following **Semester/Unit Test-I/Unit Test-+H (Reg./ATKT)** question papers from your exam cell:

Sr. No.	Subject Name	Subject Code	Format SC	Format HC	No. of Copies
1	Advanced Construction Technology	CEM-201	—		—
2	Infrastructure Development	CEM-202	—		—
3	Project Economics & Financial Management	CEM-203	—		—
4	Institute Level Optional Course-II (Research Methodology)	CEM-201X		✓	02
5	Department Level Optional Course-II (Energy Conservation Technique in Building Construction)	CEM-202X	—		—
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Note: SC – Softcopy, HC - Hardcopy

(Shaheen Ansari)
Librarian, AIKTC

(Three Hours)   **Total Marks: 80**

Instructions:
- Attempt any four questions out of six questions
- Assume suitable data wherever necessary
- Figures to the right indicate full marks.

Q.1   Answer in short. (Any Four).   20
  a.   Non-parametric tests
  b.   Foot notes and Bibliography
  c.   Importance of t-tests
  d.   Use of computers in research
  e.   Confounded relationship
  f.   Descriptive statistics

Q.2 a. State the sources of research problem. How a problem is identified? Enumerate the   10
        criteria for the selection of a problem.

    b. Explain the steps in scientific research. What are the aims of research as scientific   10
        activity?

Q.3 a. Explain the concept of attitude scale. Explain the Likert's scale to measure data attitude.   10

    b. Define the term 'Sampling'. Differentiate between sample and population and illustrate   10
        your answer with examples.

Q.4 a. What is primary data? Explain significance and limitations of primary data.   10

    b. "A systematic bias results from errors in the sampling procedures". What do you mean   10
        by such a systematic bias? Describe the important causes responsible for such a bias.

Q.5 a. What do you mean by 'research report'? Explain importance and characteristics of   10
        research report.

    b. Hypothesis is a statement which involves a relationship of variable. Enumerate the types   10
        of variables included in stating a hypothesis.

Q.6 a. You have been asked to research setting up of a roadside hotel. Design a questionnaire   10
        to find out the prospects of proceeding with the venture.

    b. What do you understand by the term 'Organization of data'? Indicate the need and   10
        importance of data organization in conducting educational research.

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