RW-6397		**561101**

M.Phil. DEGREE EXAMINATION, DECEMBER 2010

Computer Science

RESEARCH METHODOLOGY

(CBCS–2008 onwards)

Time : 3 Hours   Maximum : 75 Marks

$(5 \times 15 = 75)$

Answer **all** questions.

1. (a) Explain the Data types and Data collection methods.

    (*Or*)

    (b) Explain the steps involved in Thesis Writing.

2. (a) Explain any two Non-parametric tests.

    (*Or*)

(b)   Describe the Proportions and Variance.

3.   (a)   Explain CPM/PERT analysis with an example.

(*Or*)

(b)   Describe job sequence problem with an example.

4.   (a)   Discuss Traveling salesman problem with an example. Write an algorithm to implement Traveling Salesman problem and analyze the algorithm.

(*Or*)

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(b)   Write and explain Kruskal's algorithm with an example.

5.   (a)   Explain the types of solution procedure.

(*Or*)

(b)   Explain the design and comparisons of Meta Heuristics for Combinatorial problems.

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M.Phil. DEGREE EXAMINATION, DECEMBER 2010
Computer Science
ADVANCED TRENDS IN DATABASE SYSTEMS

(CBCS–2008 onwards)

Time : 3 Hours   Maximum : 75 Marks

Answer **all** questions.

$(5 \times 15 = 75)$

1. (a) Describe distributed query processing in detail.

(*Or*)

(b) Describe Data warehouse architecture in detail.

2. (a) Explain the various data mining application
in detail.

(*Or*)

(b) Explain association rules in detail.

3. (a) What is active database ? Explain semantics
and applications of active database.

(*Or*)

(b) Explain the various stages involved in KDD
process.

4. (a) Describe Inheritance mapping in detail.

(*Or*)

(b) Explain the architecture of TP system.

5. (a) What is web crawler ? Describe the architecture of web crawler and its functions.

(*Or*)

(b) Explain the functions of web search engine.

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