

Reg. No. : .....

**D 1116**

**Q.P. Code : [07 DMCA 13]**

(For the candidates admitted from 2007 onwards)

**M.C.A. DEGREE EXAMINATION, DECEMBER 2010.**

Third Year

**SOFTWARE TESTING**

Time: Three hours

Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

1. Explain with an example the K-V charts and their various forms. (20)
2. What is Syntax Testing? Explain the various categories of Test cases. (20)
3. Discuss Top Down testing and Bottom Up testing. (20)
4. (a) Discuss the debugging with Brute force method. (10)  
(b) State the principles of Debugging. (10)

5. Explain :

- (a) Application of Path Testing. (7)
  - (b) Remedies for Test bugs. (5)
  - (c) Importance of bugs. (8)
6. Briefly Explain the Control flow graphs with an example. (20)
7. (a) Discuss the Transaction Flow junction and mergers. (8)  
(b) Explain the Transaction Flow Techniques. (12)
8. (a) Discuss the Goals of Testing. (5)  
(b) Discuss the structural bugs with suitable example. (15)

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M.C.A. DEGREE EXAMINATION, DECEMBER 2010.

Third Year

DATA MINING AND WAREHOUSING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

(5 × 20 = 100)

1. Explain the available data mining techniques. (20)
2. (a) With an example explain the algorithm for decision tree induction. (10)  
(b) With an example explain the Hunt's algorithm. (10)
3. Discuss the characteristics of Decision tree induction with a suitable example. (20)
4. With a neat diagram explain the architecture of Data warehouse. (20)

5. (a) Explain in detail about the parallel and distributed algorithm. (10)  
(b) Discuss why and how to build a data warehouse? (10)
6. (a) How can we measure the quality of rules?(10)  
(b) Discuss Data mining and KDD in Databases (10)
7. Explain the following :  
(a) Neural Networks (10)  
(b) Genetic algorithm (10)
8. Is data warehouse and data mining have extensive potential applications in the Government? Discuss (20)

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Q.P. Code : [07 DMCA 15]

D 1118

(For the candidates admitted from 2007 onwards)

M.C.A. DEGREE EXAMINATION, DECEMBER 2010.

Third Year

*Elective* — SOFTWARE PROJECT MANAGEMENT

Time : Three hours      Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

(5 × 20 = 100)

1. With a neat diagram explain the following model :
  - (a) Waterfall model (10)
  - (b) Spiral model (10)
2. Discuss the Risk management cycle, Tools and their Techniques. (20)
3. Explain:
  - (a) Three Phases of Estimation (10)
  - (b) Methodology of Estimation (10)

4. (a) Describe the method for the cost estimation and cost budgeting for a project. (12)  
(b) Describe the managing projects for the internet. (08)
5. (a) State the advantages of using geographically distributed teams for the maintenance phase. (10)  
(b) State the Metrics for the maintenance phase. (10)
6. Briefly explain the skill sets for design and development Metrics for design and development phases. (20)
7. (a) State the dimensions of requirements during gathering of quality records. (12)  
(b) Discuss the inputs and start criteria for requirements gathering. (8)
8. With a neat diagram briefly explain the Project life cycle model. (20)

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