Code No.: **4018**

# FACULTY OF INFORMATICS

## M.C.A. II Year II Semester (Supplementary) Examination, December 2010

SOFTWARE ENGINEERING

Time : 3 Hours]

[Max. Marks : 80

*Answer **one** question from each unit.*
*All questions carry equal marks.*

### Unit I

1. (a) Discuss about Software Engineering Approach.

    (b) Write about Software process and its characteristics.

Or

2. Discuss in detail about any two Software Development process models.

### Unit II

3. (a) Describe the IEEE format of SRS.

    (b) Write short notes on Requirements Engineering.

Or

4. (a) What is the role of Software Architecture? Discuss.

    (b) Discuss about component and connecter view.

### Unit III

5. (a) Write notes on structured design methodology.

    (b) Discuss about Detail design and PDL.

Or

6. (a) Discuss about user Interface Design.

    (b) Explain about Risk Engineering in detail.

### Unit IV

7. (a) Explain about control structure testing with an example.

    (b) Write notes on Integration Testing and Unit Testing.

Or

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8. (a) Define Software maintenance. Write about maintenance activities.

   (b) Discuss about Reverse Engineering

## Unit V

9. Explain about:

   (a) Function Point Analysis

   (b) Delphi Approach

   (c) Automated Estimation tools.

Or

10. Discuss in detail about Software Configuration Management.

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