Roll No.							Total No. of Pages : 0	2
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Total No. of Questions: 09

BMCI (2014 & Onwards) (Sem.-4) SOFTWARE ENGINEERING

Subject Code: BMCI-404 M.Code: 72808

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly:

- a) Reengineering
- b) Software sizing
- c) Project management
- d) Functional requirement
- e) Software equation
- f) Object-oriented design
- g) Testability
- h) Verification and validation
- i) System Testing
- j) Restructuring

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SECTION-B

- 2. What is data flow diagram? Explain its usefulness in software design.
- 3. Discuss computer aided software engineering (CASE) with the help of suitable example(s).
- 4. What is difference between architecture design and data design? Discuss with the help of suitable example.
- 5. Explain the role of software metrics and measurement in software development.
- 6. Discuss the following with the help of suitable example:
 - a) COCOMO Model
 - b) Data Dictionary

SECTION-C

- 7. Explain the Waterfall model for software development with the help of block diagram.
- 8. What are the principles of good software design? Explain the difference between procedural design and architectural design.
- 9. What is meant by unit testing? What types of errors are detected during unit testing? Explain unit testing with the help of suitable example(s).

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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