

Roll No. 

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Total No. of Pages : 02

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) What are software components?
- b) What do you mean by Prototyping?
- c) What is the difference between process metric and product metric?
- d) Define term Modularization.
- e) What are test cases?
- f) Define Data Dictionary.
- g) What is SRS?
- h) Differentiate between White box and Black box testing.
- i) Differentiate between unit testing and system testing
- j) Define Restructuring.

## SECTION-B

2. Discuss the Waterfall model of software development in brief.
3. What is Structured Analysis? What are its principles?
4. Discuss different types of testing with suitable examples.
5. What are the central problems in software requirement specification?
6. Differentiate between Reverse and forward engineering.

## SECTION-C

7. What do you mean by Project Management? Discuss the various activities of project management in detail.
8. What do you mean by software cost estimation? Why Software cost estimations are not so correct? Discuss the COCOMO model for cost estimation in detail.  
Lucidly explain the taxonomy of CASE tools.
- 9.

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.