

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(CS) (2013 & Onwards) (Sem.-5)

SOFTWARE ENGINEERING

Subject Code : BCS-506

M.Code : 72579

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 SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A**1. Answer briefly :**

- a) Define COCOMO model.
- b) List various merits and demerits of prototyping.
- c) Define software metric.
- d) Define DFD. What is its use?
- e) Define object and class.
- f) What is use of white box testing?
- g) What is testing? How it is different from debugging?
- h) What is test case design?
- i) Define CASE tool.
- j) What is restructuring?

SECTION-B

2. What is spiral model? Discuss its working.
3. Write notes on fourth generation techniques and data dictionary.
4. What is software project planning? Discuss various objectives of it.
5. Define unit testing. Explain how unit testing is different from integration and system testing.
6. What is reverse software engineering? How it is different from forward engineering? Explain.
7. Write notes on :
 - a) Black Box Testing
 - b) Verification and Validation

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.