# FACULTY OF INFORMATICS

## B.E. 3/4 (IT) I-Semester (New) (Main) Examination, November / December 2012

# Subject : Software Engineering

#### Time : 3 Hours

#### Max. Marks: 75

**Note:** Answer **all** questions of Part - A and answer any **five** questions from Part-B.

### PART – A (25 Marks)

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#### **PART – B** (5x10=50 Marks)

( )	Discuss the concept of team software process TSP) proposed by watts Humphrey. List and explain the three types of requirements identified in quality function deployment (QTD) technique.	(5) n (5)
12.	Discuss the concept, advantages and limitations of (a) waterfall model (b) V-model	(5+5)
13.	Discuss the concept of the following architectural styles: (a) layered architecture (b) pipe and filter architecture	(5+5)
• • •	What is system testing? Discuss any three types of system testing. List and explain the various tasks done by SQA group.	(5) (5)
• • •	Explain the concept of basis path testing proposed by Tom McCabe. What is equivalence partitioning?	(7) (3)
16.	Discuss the concept of COCOMO II model in detail.	(10)
17.	List and explain the various metrics you suggest for small software organizations.	(10)

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