No. of Printed Pages: 2

**BICS-005** 

## B.Tech. - VIEP - COMPUTER SCIENCE AND **ENGINEERING (BTCSVI)**

## 00244 Term-End Examination December, 2014

BICS-005 : SOFTWARE ENGINEERING			
Time : 3	hours Maximum Marks	Iarks : 70	
<b>Note:</b> All the questions are to be answered in English language only. All questions carry equal marks. Attempt any <b>seven</b> questions.			
<b>1.</b> (a)	What is the principal aim of Software Engineering discipline? What does the discipline of Software Engineering discuss?	5	
(b)	Differentiate between a Program and a Software Product.	5	
soft	lain in detail about the incremental model of ware development. Also explain how it differs a the prototype model.	10	
can best	cuss typical Software Risk. What technique we use to control risk? How do we select the risk reduction techniques when there are by ways of reducing a risk?	10	
<b>4.</b> (a)	What are the different parameters used for estimation?	5	
(b)	Explain COCOMO in detail.	5	
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5.	Libra	a content level DFD and level 1 DFD for ry Information System. Also identify the are modules and their functions.	10
6.	What coupli are th	ss the objectives of modular software design. do you mean by the terms cohesion and ing in the context of software design? How ne concepts of cohesion and coupling useful iving at good software design?	10
7.	engin chara	ibe the significance and use of requirement eering. Explain five desirable cteristics of a good software requirement ication document.	10
8.		at is software testing? Explain the basis path ing using flow graph analysis in detail.	
9.	(a)	What is the difference between testing and debugging?	5
	(b)	What are drivers and stub modules in context of integration and unit testing?	5
10. Write short not following:		short notes on any <b>two</b> from the ring: $2\times5$	=10
	(a)	Black Box Testing	
	(b)	Spiral Model	
	(c)	Functional Modelling	