http://www.kuonline.in

Total Pages: 2

Roll No.		Total Pages: 2
-	BT-6/M-13	8617
SOFTWARE ENGINEERING		
Paper: IT-354		
Time : Three Hours] [Maximum		num Marks : 100
Note: Attempt any five questions. All questions carry equal marks.		
1. (a)	Define the term "Software Engineeri	ng". Explain the
	major differences between Software	
	other traditional engineering disciplin	es. 10
(b)	Write a detailed note on Software cris	sis. 10
2. How cost estimates of software development are made?		
Exp	plain any one model for cost estimation	. 20
3. What are the central problems in Software requirement		
specification? What are the basic activities performed during		
· the requirement phase? Discuss the characteristics of Software		
req	uirement specification.	20
4. Define the term "Modularization". Why a system design with		
high cohesion and low coupling is desired? Also discuss in		
brie	ef various types of cohesions.	20
5. Discuss the following in brief:		
(a)	Verification vs. Validation.	5
(b)	Debugging vs. Testing.	5
(c)	Reverse re-engineering.	5
(d)	Security testing.	5
8617/2,900/KD/1217 [P.T.O.		

http://www.kuonline.in

- Integration testing can be tacked top-down or bottom-up. Describe each of these strategies? Why is integration testing harder than unit testing?
- 7. Differentiate between Quality control and Quality assurance. What is meant by Software Quality Assurance (SQA)? Enumerate the objectives and goals of SQA. 20
- What do you mean by Software engineering tools? Give functional classification of CASE tools. How do they help in improving the quality of software product?

8617/2,900/KD/1217

2