END TERM EXAMINATION

FOURTH SEMESTER [BCA] MAY 2017

Раре	er Coae: BCA-208	Subject: Software Engineering
Time	e: 3 Hours	Maximum Marks: 75
Not	te: Attempt any five questions including	Q no.1 which is compulsory. Select
	one question from	each unit.
0.1	/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(10.0 = 0=)
Q1	(a) What is the aim of software engineering	
	(b) Provide three examples of software p	rojects that would be amenable to the
	prototyping model.	
	(c) Describe 'feasibility study'.	
	(d) What is estimation?(e) What is the difference between Deliver	Charataeli W bac alder
	(f) What is cyclomatic complexity?	able and Milestone P
	(g) What is the difference between flow ch	art and structure chart?
	(h) Define Data structure metrics.	are and su detare onare.
	(i) Differentiate between Alpha and Beta t	esting.
	(j) What is the need for Re-engineering?	
	UNIT-I	
Q2	(a) What is software life cycle? Discuss ge	
	(b) Compare iterative enhancement mode	
		(6.5)
Q3	(a) Draw two level DFD for library manage	ement system. (6)
	(b) Draw E-R diagram library managemen	
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04	UNIT-II	afterious development with the halo of
Q4	(a) Describe the role of management in	
	examples. (b) Difference between product, process a	nd project. (4)
	(c) What are various factors of ma	
	development? Discuss each factor in o	
Q5	(a) Is it possible to estimate software size	
	(b) What are size metrics? How is function	
	metric? Explain.	(5)
	(c) What is risk? What are the risk ma	
	prioritize the risk?	(4.5)
8.5	UNIT-III	
Q6	(a) What are different types of coupling?	
	(b) List out the components of 'software D	
	(c) Discuss different types of object orient	
		(4.5)
Q7	(a) How does software metric can improve	
	effect of metric on software productivit	
	(b) Which one is the most appropriate size	
	(a) Define and explain data atmesting mate	(4)
	(c) Define and explain data structure metr	ics. (4.5)
	UNIT-IV	
8Ç	(a) Explain all the steps of cause effect gra	aphing test case design technique with
	the help of diagram.	(4.5)
	(b) With the help of an example for each, e	explain following testing- (8)
	(i) Condition testing	
	(ii) Loop testing	
29	(a) What is debugging? Discuss various de	bugging techniques. (4.5)
	(b) Discuss various problems during mai	
	these problems.	(4)
	(c) Explain boehm's maintenance model w	

