END TERM EXAMINATION

FOURTH SEMESTER [BCA] MAY 2017

Paper Code: BCA-208	Subject: Software Engineering
Time: 3 Hours	Maximum Marks: 75
Note: Attempt any five questions including (
one question from each unit.	
Q1 (a) What is the aim of software engineering (b) Provide three examples of software proportion of prototyping model. (c) Describe 'feasibility study'. (d) What is estimation? (e) What is the difference between 'Delivera' (f) What is cyclomatic complexity? (g) What is the difference between flow charmed the difference between flow charmed the differentiate between Alpha and Beta terms of the differentiate between Alpha and Beta terms of the difference for Re-engineering?	able and 'Milestone'? art and structure chart?
UNIT-I	
Q2 (a) What is software life cycle? Discuss ger (b) Compare iterative enhancement model	neric waterfall model. (6) and evolutionary enhancement model (6.5)
Q3 (a) Draw two level DFD for library manager (b) Draw E-R diagram library management	
UNIT-II	
(a) Describe the role of management in sexamples. (b) Difference between product, process and What are various factors of management? Discuss each factor in described in the control of	d project. (4) hagement dependency in software
Q5 (a) Is it possible to estimate software size to (b) What are size metrics? How is function metric? Explain.(c) What is risk? What are the risk man prioritize the risk?	n point metric advantageous over LOC (5)
UNIT-III	
What are different types of coupling? G (b) List out the components of 'software De (c) Discuss different types of object oriente	esign' document. (4)
Q7 (a) How does software metric can improve effect of metric on software productivity (b) Which one is the most appropriate size	y. (4)
(c) Define and explain data structure metr	
UNIT-IV	
(a) Explain all the steps of cause effect grather the help of diagram. (b) With the help of an example for each, example (i) Condition testing (ii) Loop testing	(4.5)
 Q9 (a) What is debugging? Discuss various de (b) Discuss various problems during main these problems. (c) Explain boehm's maintenance model was a second of the company of the	ntenance. Describe some solutions to (4)