END TERM EXAMINATION

FOURTH SEMESTER [B.TECH.] MAY-JUNE-2018

Paper Co	ode: IT-212 S	ubject: Software Engineering
Time: 3 I	The second secon	Maximum Marks: 75
Note: Att	tempt five questions in all including	Q.No 1 which is compulsory.
) (a) E (b) W (b) W (d) E (e) (i)	wer any five the following in brief:- Explain the term acceptance testing, alpha What are the characteristic for a good SRS Discuss functional non-functional require requirements have been met? Explain the term coupling and cohesion. Differentiate between the following: Deliverable and Milestone (ii) Measu Differentiate-between bug, failure and fault	Posign SRS template. Persents? How do we check if all res, metrics and measurement.
	List the difference between LOC and Fun- point value for a project with the characteristics Number of user inputs=30 Number of user outputs=42 Number of user inquiries=08 Number of internal logical files=07 Number of external interfaces=06 Assume all complexity adjustment facto factors as average.	following information domain
	Explain Spiral model with labeled diag prototype model.	• •
(b)	Draw 0 level, 1 level DFD and ER diagram Discuss the term requirement engineering requirements. Explain one of the technique	g? List the techniques to elicit the
(p)	Explain the term risk. What are the diffe Explain. Compare three modes of COCOMO, supp 500KLOC. Calculate the effort and development of basic COCOMO.	(6) ose a project with estimated to be
	With the help of an example, explain preferable over function Oriented Design. Discuss different the key process areas of at each maturity level	when Object Oriented Design is
Q6 (a) (b)	Explain Boehm software quality model with Explain structure chart and activity diagrams.	h the help of block diagram. (6.5) im with examples. (6)
(2) (b)	What is Software Maintenance? Explain To What is Cyclomatic complexity? How is calculate largest of 3 numbers in C and c by drawing its DD path graph	t calculated? Write a program to
(b)	Define: Reverse Engineering, Re-Ei Management. Write a program which takes three a equivalence class testing and boundary val	ngineering and Configuration (5)