Fifth Semester B.E. Degree Examination, June/July 2015 **Software Engineering**

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

P	Δ	R	Т	_	Δ
				_	

			TART-A	
tice	1	a.	What is Software Engineering?	(02 Marks)
rac		b.	List the attributes of good software system and key challenges facing software en	ngineering.
nalp			00	(10 Marks)
us m		C.	What are legacy systems? Explain components of legacy systems.	(08 Marks)
reated as malpractice.				
eat	2	a.	Explain dimensions of dependability properties and system properties that are	related to
	, -		dependability.	(08 Marks)
pag		b.	Explain the approaches to improve reliability.	(03 Marks)
unk pa 0, will		c.	With figure explain the phases of RUP.	(05 Marks)
; blan = 50,		d.	Explain testing phases with figure.	(04 Marks)
aining 42+8		C.	Carlo Control of the	
naii , 42	3	a.	Distinguish between functional and non functional requirements with example.	(04 Marks)
rer	5	b.	Explain the types of non functional requirements with example.	(06 Marks)
the		c.	Identify the stakeholders of ATM system and classify them according to viewpoin	
s on wr		C.	identify the stakeholders of ATTM system and classify them decorating to 120 mpc	(10 Marks)
ines				7 7000
nal cross lines on the remaining blank pag/or equations written eg, $42+8=50$, will	4	a.	Explain any 2 types of object models in detail.	(08 Marks)
crc		b.	Explain state machine model of micro oven.	(06 Marks)
onal I /o		c.	Differentiate between milestones and deliverables.	(02 Marks)
iago		d.	List the activities of risk management with figure.	(04 Marks)
w d		۵.	Dist the detrivities of Control was a grant	
ly draw diagonal evaluator and /or			PART – B	
illy	5	a.	Explain client server architecture with example.	(06 Marks)
		b.	Explain with figures centralized control and event driven systems.	(10 Marks)
mp		c.	List the proposals made about how to identify object classes.	(04 Marks)
, co		٥.	Dist the proposals made about now to taking object subsection	
ompleting your answers, complered in good identification, appe	6	a.	What is pair programming? Write its advantages.	(04 Marks)
nsw	· ·		What is extreme programming? List principles of agile method.	(06 Marks)
ur a den		C.	Explain activities involved in reengineering process with figure.	(10 Marks)
yo of i		1	Explain detivities involved in reengineering process with agence.	
ting	7	a.	Write the difference between verification and validation.	(10 Marks)
ple	.01	b.	Explain the clean room software development process with figure in detail.	(05 Marks)
rev		0.	List classes of interface errors.	(05 Marks)
On c Any		С.	List classes of litterface cirois.	(05 1/141145)
	8		Write short notes on the following:	
Important Note : 1.	o	0	Factors governing staff selection.	
S		a.	PCMM levels	
ant		b.		
port		C.	Submodels of COCOMO II	(20 Manlan)
lml		d.	Maslow's hierarchy of needs.	(20 Marks)