CBC2 Scheme

USN	ī										15CS42
		Fo	our	th S	Ser	nes	stei	r B.	E. I	Degree Examination, June/July	2018
										are Engineering	
Tin	ne: í	3 hrs.								M	ax. Marks: 80
* ***			new	or e	a m 3 7	FI	71F 4	full c	un das	* 12/2	k k
	14	otc. P	7119 W	er a	any	rı	V IC I	unc	lucai	tions, choosing one full question from ea	cn module.
		33.71						1.	\$ 12	Module-1	
1	a.	w na soft v	t are	the	e es	sen	tial	attru	butes	s of good software? Explain the key cha	
	b.							ジ∕ iral r	node	el of requirements elicitation and analysis p	(08 Marks)
	υ.	the u	ınder	star	ate _l Idin	g ay	rea	uai i uirei	ment	ts from stake holders is difficult task? Expl	ain. (08 Marks)
				<	(2)	~				is non stake notices is unfleat task: Lapi	ani. (00 Marks)
			Α,	(4)	? <u>`</u> `						
•		3371	/?.?)) ₁ ,	0					OR	
2	a. b.	W na	t≺igʻr	⊬SOI eau	πwa iren	re p	roce	ess n	nodel	el? Explain the types of software process m n? Explain various ways of writing system	odels. (05 Marks)
	0.	(%)	t 13 I	cqu	псп	iciii	spc	CITIC	ation	in: Explain various ways of writing system	(06 Marks)
	13	Expl	ain t	he d	liffe	rent	t che	ecks	to be	e carried during requirement validation pro	cess.
7	(<u>5</u>)	> "									(05 Marks)
STE	<i>y</i>										^ე (გებ
										Module-2	
3	a.	Drav	v and	l exp	plai	n us	e ca	se m	odel	ling and sequence diagram for patient infoi	mation system
	L	XX 7*4 1	1.					.1			(10 Marks)
	b.	witn	a di	agra	am,	exp	lain	tne j	pnase	es in the Rational Unified Process (RUP).	(06 Marks)
4		Б	,	1	, .					OR	
4	a. b.									of a microwave oven.	(07 Marks)
	c.	Expl	ı ıs u ain tl	he o	gu p ene	alle ral i	mod	els o	am n fone	four essential elements of design pattern.	(05 Marks) (04 Marks)
	٠.	DAPI	uiii ti	S	,CIIC	1411	nou	CIS C	n ope	ion source needs.	(04 Marks)
										A O	İ
										Module-3	
5	a.			test	dri	iven	de	velo	pmen	nt? With neat diagram, explain test driv	_
	L	proce		۔ الہ ا	~~~		1.	-:	:4_		(08 Marks)
	b.	VV ILII	neat	uia	ıgrai	m, e	хри	am s	ix sta	ages of acceptance testing process.	(08 Marks)
									17.10	27	
								(1)	<u>﴾</u> (OR	•
6	a.	With	neat	dia	grai	m, e	xpla	ain -t l	ne so	oftware evolution process.	(05 Marks)
	b.									oftware maintenance.	(03 Marks)
	c.									e business value and system quality o	la la
		mana	gem	ent	and	ext	olain	fou	r clus	sters of systems.	(08 Mar s)
			4	20)	J						
		4	1	S	,						
		120	$\langle \rangle \rangle$								
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15CS42

For the set of tasks shown below draw the scheduling using,

> i) Activity bar chart

Staff allocation chart

(10 Mark)

	Task	Duration (Days)	Dependencies
	T ₁ C	ြံ 10	-
	\T\S\	15	-
_	1/13	15	$T_1(M1)$
`		10	-
~	T ₅	10	$T_2, T_4 (M3)$
	T ₆	5	$T_1, T_2(M4)$
	T ₇	20	$T_1(M1)$
	T ₈	25	T ₄ (M2)
	T ₉	15	$T_3, T_6 (M5)$
	T ₁₀	15	T ₇ , T ₈ (M6)
	T ₁₁	10	T ₉ (M7)
	T ₁₂	10	$T_{10}, T_{11} (M8)$

Explain briefly the algorithmic cost modeling and write the difficulties.

OR

- Write any four product and process standards.
- Explain briefly the software review process.
- Explain briefly the process of product measurement.

(04 Marks)

(06 Marks)

(06 Marks)

Module-5

State and explain the principles of agile methods.

Write a note on pair programming.

(05 Marks) (06 Marks)

List the advantages of SCRUM used in a telecommunication software development environment. (05 Marks)

Explain the practices involved in the extreme programming. 10 a.

(10 Marks)

b. How the agile methods are scaled? State the coping of agile methods for large system KIN BARAS SURA engineering. (06 Mark)