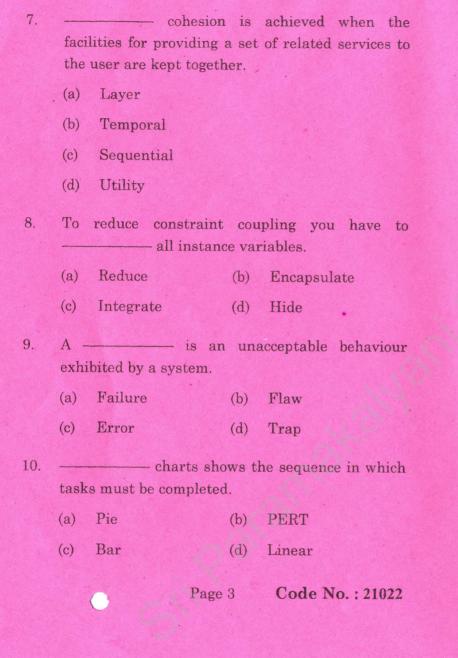
(6 pag	ges)		Reg. No	o.:			
Cod	e No	o.: 21022	Sub	o. Code: GMCA 51			
B.C.A (CBCS) DEGREE EXAMINATION, APRIL 2018.							
Fifth Semester							
Computer Application — Main							
SOFTWARE ENGINEERING							
(For those who joined in July 2012-2015)							
Time: Three hours Maximum: 75 marks							
PART A — $(10 \times 1 = 10 \text{ marks})$							
Answer ALL the questions.							
Choose the correct answer:							
1.		is the	example	of Generic software.			
	(a)	Word process	or				
	(b)	Websites					
	(c)	Air-traffic cor	atrol syste	em			
	(d)	VCR software					

solu	paradigm is an approach to the ation of problems in which all computations are formed in the context of objects.				
(a)	Procedure				
(b)	Object-oriented				
(c)	Software				
(d)	System manage	ment			
	ich of the fol uirement?	lowing	is the functional		
(a)	Input	(b)	Response time		
(c)	Throughput	(d)	Response usage		
(a) (c)	ineer learns backg Frame Static	(b) (d)	Domain Constraint		
			relationships.		
(a)	One-to-one		One-to-many		
(c)	Many-to-many	(d)	Part-whole		
dyn	diagramamic aspects of a s		used to model the esystem.		
(a)	Interaction	(b)	Static		
(c)	Activity	(d)	Collaboration		
	Pa	ge 2	Code No. : 21022		



## PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) What is meant by software Quality? Discuss.

Or

- (b) Describe the risk to select a programming language for a software engineering project.
- 12. (a) Write about different searching domain analysis document.

Or

- (b) Explain Brainstorming technique to gather and analysis a requirement.
- 13. (a) What is UML? State its different diagram types.

Or

- (b) Define activity program? Draw an activity diagram to register a course.
- 14. (a) Write a note on Divide and conquer design principle.

Or

(b) State the contents of good architectural mode? How to develop it?

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[P.T.O.]

15. (a) Vate about timing and coordination defects in brief?

Or

(b) Explain spiral model.

PART C - (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Briefly describe the activities commonly found in software engineering.

Or

- (b) Discuss the features of object oriented language.
- 17. (a) Brief on how to determine the requirements of a project.

Or

- (b) What is requirement? Explain its diffferent types.
- 18. (a) Discuss the associations and multiplicity of UML diagram.

Or

(b) With example, explain sequence diagram.

19. (a) Discuss different types of cohesion that designers should try to achieve.

Or

- (b) Explain any two architectural patterns to design flexible systems.
- 20. (a) List out some kinds of defects found in all algorithms and discuss.

Or

(b) State the principles of effective cost estimation and briefly explain any four.