TKN/KS/16/6013

Bachelor of Science (B.Sc.) (I.T.) Part—II (Semester—IV) (C.B.S.) Examination

SOFTWARE ENGINEERING—I

Paper—I

Time: Three Hours] [Maximum Marks: 50

Note :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagrams wherever necessary.

EITHER

- 1. (a) What significant changes are observed in evolving the computer software? Explain. 5
 - (b) Explain any three challenges of software engineering. 5

OR

- (c) What myths are considered while evolving the computer software over the period ? 5
- (d) What are the activities that occur throughout the software process which primarily focus on project management?

EITHER

		5
(b)	Explain functional and nonfunctional requirem	ents
	in software development.	5
OR		
(c)	What is the difference between Unified Proc (UP) phase and Unified Process (Workflows?	cess UP) 5
(d)		
EIT	HER	
3. (a)	List and explain different tasks in requiren	nent
	engineering.	5
(b)	What is the purpose of domain analysis? I	How
	is it related to concept of requirement patter	
		5
OR		
(c)	Explain the following:	
	(i) Data objects	
	(ii) Data attributes	
	(iii) Relationship.	5
(d)	What are the basic guidelines for conducting collaborative requirement gathering meeting	_
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(a) Discuss Waterfall model for software development.

EITHER

4.	(a)	What are the different design elements used	in
		deployment model of software development	?
		Explain.	5
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(b) When should a moduler design be implemented? How can this be accomplished?

OR

(c) Explain how is complex system made easy during design engineering. Explain. 5

(d) Discuss the quality attributes considered in software design engineering. 5

5. (a) List and discuss briefly five goals related to process area of software development. $2\frac{1}{2}$

(b) List different phases of Unified Process (UP) model. 2½

(c) What do you mean by class base modeling ? $2\frac{1}{2}$

(d) List different design classes and give its purpose.

 $2\frac{1}{2}$

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