1.

		Answer any <i>five</i> questions from the following	8×5 = 40
2,	(a)	What do you mean by feasibility study?	2
	(b)	What are the differences between Iterative and Classical waterfall model?	4
	(c)	Distinguish between Programs and Software Products.	2
3.	(a)	What are the desirable characteristics of a good Software Requirement Specification (SRS) document?	3
	(b)	Describe the functional and non-functional requirements of a good SRS document.	5
4	. (a)	What are the characteristics of Spiral model?	2
	(b)	Why it is called 'Meta Model'?	2
	(c)) Differentiate between a Structure Chart and a Flow chart.	2

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WEST BENGAL STATE UNIVERSITY

B.Sc. Programme 6th Semester Examination, 2021

CMSGDSE03T-COMPUTER SCIENCE (DSE2)

SOFTWARE ENGINEERING

Time Allotted: 2 Hours

The figures in the margin indicate full marks: Candidates should answer in their own words and adhere to the word limit as practicable.

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Answer any *five* questions from the following:

(a) What is the prime objective of software engineering?

(c) What are the advantages of using a life cycle model?

(e) Distinguish between Physical and Logical DFD.

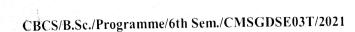
(h) What is the importance of software design?

(d) What is integration testing?

(g) What do you mean by unit testing?

(b) Why software engineering approach is important to developing software?

(f) Distinguish between Software Verification and Software Validation.





Full Marks: 50

CBCS/B.Sc./Programme/6th Sem./CMSGDSE03T/2021

5.	(a)	How are Cohesion and Coupling useful in arriving at a good design of a system?	4
	(b)	Describe briefly different types of Coupling that might exist between two	4
		modules.	
6.	(a)	What is black-box testing?	2
	(b)	Describe equivalence class partitioning and boundary value analysis in this context.	6
7.	(a)	Discuss the importance of Analysis and Design in Software Life Cycle.	2
	(b)	Differentiate between Stub and Driver.	6
8.	(a)	What are the characteristics of software architecture? Discuss its limitations.	4+2
	(b)	What is structure chart?	2

N.B.: Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within V hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.

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