Answer any *five* questions from the following:

(b) What are the major responsibilities of a software project manager?

(a) What do you mean by a software process?

1.





 $2 \times 5 = 10$

WEST BENGAL STATE UNIVERSITY

B.Sc. Programme 6th Semester Examination, 2022

CMSGDSE03T-COMPUTER SCIENCE (DSE2)

SOFTWARE ENGINEERING

Time Allotted: 2 Hours Full Marks: 50

The figures in the margin indicate full marks.

Candidates should answer in their own words and adhere to the word limit as practicable.

GROUP-A

	(c)	What do you mean by software crisis?	
	(d)	What is data dictionary?	
	(e)	Define DFD.	
	(f)	What is regression testing?	
	(g)	What is cohesion?	
		GROUP-B	
2.		Answer any <i>five</i> questions from the following:	$8 \times 5 = 40$
	(a)	What are the major phases of Spiral model? Explain all the phases.	2+6
	(b)	What do you mean by structured programming methodology? What are the characteristics and components of SRS?	3+5
	(c)	What do you mean by functional requirements? What do you mean by feasibility study? Distinguish between programs and software products.	2+2+4
	(d)	Explain Norden's model in the context of staffing requirements for a software project. What is Delphi estimation?	6+2
	(e)	Explain when you should use PERT charts and when you should use Gantt charts while you are performing the duties of a project manager.	4+4
	(f)	Briefly explain Spiral model. Which model is best in which scenario? Make a comparison study for all the software life cycle model.	5+3
	(g)	Write down the major differences between work breakdown structure and activity network model.	5+3
	(h)	Explain critical path method. What do you mean by black box testing?	5+3
	(i)	Write a short note on Classical Waterfall model. What are the disadvantages of Waterfall model?	5+3
		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 1 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

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same answer script.