

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**  
(An Autonomous Institute)

Affiliated to Dr. A.P. J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

Course- B.Tech. Branch- CSBS

Semester IIIrd

Sessional Examination 2<sup>nd</sup> Year- (2021 – 2022)

Subject Name: Software Engineering

Time: 1.15Hours

[ SET- B ]

Max. Marks:30

**General Instructions:**

- This Question paper consists of 01 pages & 05 questions. It comprises of three Sections, A, B, and C
- **Section A** - Question No- 1 is objective type questions carrying 1 mark each, Question No- 2 is very short answer type carrying 2 mark each. You are expected to answer them as directed.
- **Section B** - Question No-3 is Short answer type questions carrying 5 marks each. Attempt any two out of three questions given.
- **Section C** - Question No. 4 & 5 are Long answer type (within unit choice) questions carrying 6 marks each. Attempt any one part a or b.

SECTION – A		[08Marks]	
1.	All questions are compulsory	(4×1=4)	
a.	SDLC stands for?	(1)	CO2
b.	Who developed COCOMO model initially?	(1)	
c.	Give full form of CASE Tool?	(1)	
d.	Name five Models used in SDLC?	(1)	
2.	All questions are compulsory	(2×2=4)	
a.	Define software engineering. What are the challenges of software engineering?	(2)	CO2
b.	Differentiate between defect and error?	(2)	
SECTION – B		[10Marks]	
3.	Answer any two of the following-	(2×5=10)	
a.	Differentiate Between programming in large vs programming in small in reference to research paper published by Frank DeRemer and Hans Kron?	(5)	CO2
b.	Explain the Advantages and Disadvantages of Iterative Model?	(5)	
c.	Define feasibility study. What are the types of feasibility Study?	(5)	
SECTION – C		[12Marks]	
4	Answer any one of the following-	(1×6=6)	
a.	Explain the waterfall model phases?	(6)	CO2
b.	Explain the Prototype model with advantages and Disadvantages?	(6)	
5.	Answer any one of the following-	(1×6=6)	
a.	Explain the cost estimation process of COCOCMO Model?	(6)	CO2
b.	Explain Cost Estimation model static, single Variable and static Multivariable with example ?	(6)	