(i)	Printed Pages: 2 Roll No		•••••	•••••	•••••
(ii)	Questions :9 Sub. Code: 4	5	8	1	2
	Exam. Code:	1	2	2	0
	PGDCA 2 nd Semester (2055) SOFTWARE ENGINEERING				
	Paper: PGD-2103				
Tir	ne Allowed : Three Hours] [Maxin	num	Mar	ks :	60
No	te:— Attempt one question from each Section a question (Question 9). SECTION—A	nd the	e con	npuls	ory
1.	(a) What are the principles of Software En	ginee	ring	2	6
1.	(b) Explain Boehm's Spiral Life Cycle Model with the help of				
	neat diagram.	er wit	II the	пец	6
2.	(a) Write down the skills required	by a	a so	ftw	are
	engineer.				6
	(b) Explain the steps of Win Win Spiral M	odel.			6
	SECTION—B				
3.	Define and compare the features of PERT C	hart,	Gan	tt Ch	
	and CPM model in detail.		oro		12
4.	What can be the possible software risks? risk management activities such as risk ass	2			
	control				12

SECTION—C

- What are the stages of software design process? Explain various types of possible design failures and remedies.
- 6. What is the structured analysis and structured design? Explain steps, goals and benefits of the SA and SD.

SECTION-D

- What is the software testing? Explain the features of software testing. Write note on Black box testing and White box testing.
- 8. What are the software quality attributes and the factors affecting the software quality? Suggest some strategy to be followed for the software quality assurance.

SECTION—E (Compulsory)

- 9. Attempt all parts:
 - (i) What is a feasibility study? Any why is this important?
 - (ii) What is role of a data flow diagram?
 - (iii) What is SRS and why is it important?
 - (iv) Why is modularization important in software engineering?
 - (v) What is prototyping?
 - (vi) What are major tasks related to the risk management process? 2×6=12