(i)	Pri	inted Pages: 3 Roll I	No
(ii)	Qu	Sub. Co Exam. Co	
		18/14/14/14/14/19/14/19/14/19/14/19/14/19/14/14/14/14/14/14/14/14/14/14/14/14/14/	
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		INFORMATION TECHNO Paper–MS-40 : Software En	
Ti	ne Alle	owed: Three Hours]	[Maximum Marks: 80
No		Attempt five questions in all, selection E is content of the conte	
		SECTION-A	veries for Control
1.	(a)	Define Software Engineering. What Engineering?	t are the goals of Software
	(b)	What is SRS? Discuss characterist SRS.	tics and components of an
2.	(a)	What do you understand by Soft Differentiate between various Soft	
	(b)	What are the role and skills of a Sc	oftware Engineer? 6
		SECTION-B	James Line Company
3.	(a)	Differentiate between DFDs and E	R Diagrams with the help
		of suitable examples.	
	(b)	Discuss Object Oriented Metrics in	n detail. 10

4.	(a)	Discuss Size oriented and Function oriented metrics.	8	
	(b)	Discuss the role of metrics and measurements in Software Development.	8	
		SECTION-C		
5.	(a)	Discuss COCOMO model in detail. How is it different from COCOMO-II?	8	
	(b)	Discuss Software Design Principles. How Structured Design different from Modular Design?	sign 8	
6.	(a)	What do you understand by Software Risk? How softwrisks are assessed?	vare 6	
	(b)	Discuss the objectives of Software Project Planning.	6	
	(c)	Differentiate between Cohesion and Coupling.	4	
		SECTION-D		
7.	(a)	What is the role of Software Maintenance in Software Development Life Cycle? Discuss various types of Software		
		Maintenance.	8	
	(b)	Discuss Vendor Selection and Software Selection.	8	
8.	(a)	Discuss User Manual and Documentation in detail.	8	
	(b)	1 Q 1 4' d A agricition in detail	8	
		SECTION-E		
			2	
9.		1		
	(b)) Give important characteristics of Spital Process Modes		

(c)	What is Data Dictionary?	2
(d)	Give important characteristics of GUI.	2
(e)	What do you understand by site preparation?	2
(f)	Differentiate between validation and verification.	2
(g)	What do you understand by Benchmarking?	2
(h)	What do you understand by Software Quality?	2