

DF-3731

Second Year B. C. A. (Sem. III) (CBCS) Examination March / April - 2016 Software Engineering - I

(New Course)

Time	: 3 I	Hours] [Total Marks	: 70		
Instr	ructio	on:			
		👉 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Seat No.:			
	Fillup strictly the details of signs on your answer book. Name of the Examination :				
	Second Year B. C. A. (Sem. III) (CBCS)				
Name of the Subject :					
◆ S	oftwar	e Engineering - I (New Course)			
Sut	ject Cod	e No.: 3 7 3 1 Section No. (1, 2,): NIL			
Q-1	Ans	wer in short.	14		
	1	What is Perfective Maintenance?			
	2	Define External coupling?			
	3	What are Umbrella activities?			
	4	What is Software?			
	5	What is functional abstraction? Give example of it.			
	6	Define fan-in and fan-out.			
	7	What is context level?	•		
Q-2		wer the following questions.			
	(a)	Explain Generic View of Software Engineering. OR	7		
	(a)	Discuss software characteristics with diagram	7		
	(b)	Explain the Waterfall model. Also write its advantages and limitations.	7		
		OR			
	(b)	Explain Management and Customer myths.	7		
Q-3	Ans	wer the following:			
		Explain the elements of analysis model with figure. OR	6		
	(a)	Explain characteristics of SRS.	6		
	(b)	Explain the FAST.	8		
		OR	-		
	(b)	Explain any two requirement gathering technique.	8		
DF-3	731]	1 [Con	td		

Q-4		Answer the following:	
	(a)	Explain different types of Modules.	7
		OR	
	(a)	Explain design principles.	7
	(b)	Explain different types of coupling.	7
		OR	
	(b)	Explain different types of cohesion.	7
Q-5	(a)	Draw a DFD for Hospital Management system.	10
		OR	
	(a)	Draw a DFD for Library management System.	10
	(b)	Write Data Dictionary for above DFD.	2
	(c)	Write Process Specification for above DFD.	2