

BA-1865

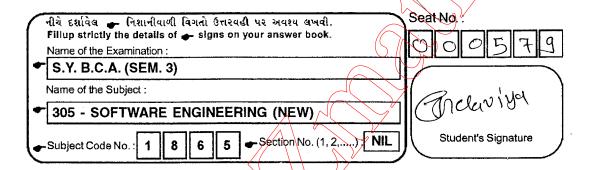
Second Year B. C. A. (Sem. III) Examination September / October - 2009 305 - Software Engineering

(New Course)

Time: 3 Hours]

[Total Marks: 70

Instruction:



1 Explain the following terms in brief: (any seven)

14

- SH QFD
- -(2) 40-20-40 RULE
- Structured analysis
- \sim (4) Abstraction
 - Test Stub (5)
 - (6) System design
- (7) Smoke testing
- (8) Requirement analysis.

Answer the following:

8+6=14

- What is functional dependency? How can we achieve higher functional independence? Explain why one should prefer higher cohesion and low coupling.
- **(b)** Explain various feasibility study in detail.

OR

- Explain 'structural partitioning' in detail. Also give it's (a) impact on software design.
- (b) Differentiate between structural and functional testing. Explain any one functional testing methology in detail.

BA-18651

[Contd...

3	(a)	Write short notes on the following: (any three) 9+8	5=14
	Ø -	Testing fundamentals (\(\frac{9}{9}\)	lh
A	5 2	(2) Components of SRS	<i>ا</i> م
/		(3) Requirement Gathering Techniques	
		(4) Prototype Model.	
	(b)	Attempt the following: (any one)	5
	ς	Write the limitations of Classical life cycle model.	
		(2) Discuss software characteristics with diagram.	
4	Ans	wer the following:	=14
30	(1)	Discuss the problems likely to occur if module has low cohesion.	
	(2)	Which are the guidelines that a software designer would follow? Why?	
Ø	(3)	Briefly describe top-down refinement, listing both-advantages and drawbacks.	
	(4)	Discuss Unit and Integration Testing	
,		OR	•
4	(1)	Which design concepts are used for deriving the optimal S/W design?	יטר
5	(2)	What is the characteristic of requirement specifications?	500
	(3)	Write a note on fact-finding techniques.	
	(4)	What is an SRS? Write the advantages of it. What should it address?	
5	Ansv	wer the following: (Narrate your assumption, if any)	14
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