

Con. 3263-09.

T.E. (IT) Sem VI (R)

28/5/09
VR-5430

Software Engineering
(REVISED COURSE)

3 p.m. to 6 p.m.

216

Duration (in Weeks)	(3 Hours)	[Total Marks : 100]
1	—	1A
2	—	2A
3	—	3A
4	—	4A
5	—	5A

- N.B. :** (1) Question No. 1 is compulsory.
(2) Attempt any four questions from remaining questions.
(3) Assume data if required.
- (a) Explain in detail the incremental model with the advantages and disadvantages.
(b) What are different size oriented metrics ? Give limitations of LOC.
 - (a) What are different steps involved in requirements engineering ? Which tool is used to specify requirements ?
(b) What are different types of Feasibility Studies conducted ? Give eg. of each when it is not feasible.
 - (a) Explain different types of White box testing and Black box Testing.
(b) Draw control flow graph for the PDL and find cyclometric complexity.

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st1 ;  
st2 ;  
if(c1) st3 ;  
else if(c2 or c3) st4 ;  
    else st5 ;  
st6 ;  
st7 ;
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 - (a) Define Software Configuration Management. Explain Change Control Management and Version Control.
(b) What is configuration Audit and Configuration Database ?

5. (a) Draw Gant chart and Activity Diagram for the following task set.

Activity	Dependency	Duration (in Weeks)
A1	—	1
A2	A	2
A3	—	5
A4	A1, A3	2
A5	A2, A3	3
A6	A5	7
A7	A4, A6	4

(b) What are different types of Maintenance ? Give examples of each.

6. (a) What is Quality Assurance ? What are different parameters of Quality ?

(b) What is Coupling and Cohesion ? What should good design contain ?

7. (a) Capability Maturity Model

(b) Tools for Analysis.