**2008 Alagappa University M.Sc Information Technology SOFTWARE ENGINEERING Question paper**

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| **Course: M.Sc M.Sc Information Technology** |  | **University/board: Alagappa University** |

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PART A — (10 x 3 = 30 marks)  
Answer ALL questions.  
All questions carry equal marks.  
  
1. What are the roles of software?  
2. Explain about the software Engineering layers.  
3. What do you mean by project scope and what are the information necessary for scope.  
4. What is technology risk and how to handle it?  
5. Write short notes on Timeline charts in scheduling.  
6. Write about ISO 9001 standard.  
7. Write about the modularity concepts in software design.  
8. Define data design.  
9. Define cohesion  
10. Define white box testing.  
  
PART B — (4 x 10 = 40 marks)  
Answer any FOUR questions.  
All questions carry equal marks.  
  
11. Write short notes on  
(a) The RAD model  
(b) Spiral model.  
12. Write short notes on Resources in software project planning.  
13. Explain in detail about Formal Technical reviews.  
14. Write short notes on structured analysis and draw the DFD for Inventory control system.  
15. Explain in detail about Human - Computer Interface Design.  
16. Write short notes on control structure testing.  
  
PART C — (2 x 15 = 30 marks)  
Answer any TWO questions.  
All questions carry equal marks.  
  
17. Explain with neat sketch, the evolutionary software process models.  
18. Write short notes on  
(a) COCOMO model  
(b) Decomposition Techniques.  
19. Give a brief note on Black-Box Testing.