**2008 Alagappa University M.Sc Information Technology PRINCIPLES OF INFORMATION TECHNOLOGY 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.  
  
1. Write the significance of digital computers.  
2. Expand :  
(a) TCP/IP  
(b) ROM  
(c) ISDN.  
3. What is Hub?  
4. List the components of local area network.  
5. Give the syntax of assignment statement with example.  
6. Write the syntax of switch.. case statement.  
7. Define arrays.  
8. What is pointer?  
9. Define Macros.  
10. What is inline functions?  
PART B — (4 x 10 = 40 marks)  
Answer any FOUR questions.  
  
11. Describe the following in detail :  
(a) Internet web browsers  
(b) Desktop accessories.  
12. Write about cyberethics.  
13. Write about telecomputing and virtual offices.  
14. Write a ‘C’ program to add a square matrix and check whether it is a symmetric matrix [Hint : A matrix is symmetric if A(i, j) = A (j, i) for all the value of i and j]  
15. A man takes a job for 30 days. His pay for the first day is   
Rs. 25. His pay for the second day is Rs. 50 and for the third day is Rs 100. Each day’s pay is twice his pay of the previous day. Write a ‘C’ program to calculate his total pay for 30 days.  
16. With suitable example, explain how structures are passed as arguments to function.  
  
PART C — (2 x 15 = 30 marks)  
Answer any TWO questions.  
  
17. Write short notes on following :  
(a) Groupware  
(b) Work group computing  
(c) Cable modem.  
18. (a) Write about pointers to function.  
(b) Explain the concept of modularization with examples.  
19. Write short notes on :  
(a) Internet and Intranet  
(b) Video conferencing and picture phones