



12. (a) (i) Explain about the types of software. (10)  
(ii) Write about UURL. (6)

Or

- (b) (i) Discuss the software development steps. (10)  
(ii) Explain the common types of internet connections, (6)
13. (a) (i) What is pseudo code? Explain how it can be designed and its benefits and limitations. (8)  
(ii) Briefly discuss about word processor and spread sheets. (8)

Or

- (b) Explain sequence logic, selection logic and iteration logic design structure in pseudocode. (5 + 5 + 6 = 16)
14. (a) (i) What are the different operators available in C? Explain with examples. (12)  
(ii) Differentiate between signed and unsigned integer. (4)

Or

- (b) (i) Write a C program that reads a character and displays only the vowels using switch case structure. (8)  
(ii) Write a C program that displays a pyramid structure using numbers. (8)
15. (a) (i) Write a C program to sort the given set of numbers in ascending order. (8)  
(ii) Discuss about any eight built-in functions. (8)

Or

- (b) (i) Write the syntax of structure declaration in 'C' program. Give an example. (4)  
(ii) Distinguish between structure and union. (4)  
(iii) Write a C program to find the addition of two matrices. (8)