

UNIT – IV

7. (a) Explain the following with suitable example [7M]
i. Library Function
ii. Nested Structure
(b) With suitable example, discuss the functions for allocating and deallocating memory in the Heap. [7M]
8. (a) Explain the following with suitable example [7M]
i. Self Referential Structure
ii. Union
(b) There is a structure called employee that holds information like employee code, name, date of joining. Write a C program to create an array of the structure and enter some data into it. Then ask the user to enter current date. Display the names of those employees whose tenure is 3 or more than 3 years according to the given current date. [7M]

UNIT – V

9. (a) Explain the use of fopen() and fclose() functions. [7M]
(b) Write a C program to copy one file to another. While doing so replace all lowercase characters to their equivalent uppercase characters. [7M]
10. (a) What is structure variable? Can a structure variable be defined as member of another structure? Explain with example. [7M]
(b) Write a C program to copy the contents of one file into another using fgetc and fputc function. [7M]