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| 7 | a) Construct a program to display the factorial of a number using recursive function. (7M) b) Build a program for dynamic memory allocation. (3M) | CO3 | III III |
| 8 | Explain structure vs union with suitable examples. (10M) | CO4 | II |
| OR | | | |
| 9 | Construct a program to read and print an employee's detail including Salary components using array of Structure. (10M) | CO4 | IV |
| 10 | Explain briefly on all random-access file such as fseek(), ftell(), rewind() methods with a program. (10M) | CO5 | IV |
| OR | | | |
| 11 | Build a program to find the number of vowels, consonants, words and white spaces in a given text file. (10M) | CO5 | V |