CAT-II Syllabus Coverage

1. Portions to be covered for CAT – II are module III, IV completely and module V till the topic Macro Vs enum
2. Mark distribution for the above modules are 15, 10 and 5 marks respectively.
3. type of questions for CAT – II can be program, error identification, correction and showing the result in step by step manner

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| **Module:3** | **User defined data types** | **5 hours** | | **CO: 2** |
| Structures, array of structures, passing structure to functions, function pointers : Passing and returning values using pointers, Array as function argument, Using Pointers as Arguments, Functions returning address, Function returning pointers, Pointer to a function, Calling a function through function pointer, Functions with varying number of arguments. arrays and structures within structures, Unions, Bit fields, enumerations, typedef. | | | | |
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| **Module:4** | **Input/Output Manipulation and Files** | **5 hours** | | **CO: 3** |
| I/O Manipulation: Standard I/O, Formatted Output - printf, Formated Input - scanf, Variable length argument list, file access including FILE structure, fopen, stdin, sdtout and stderr, Error Handling including exit, perror and error.h, Line I/O, related miscellaneous functions. Files manipulations: File Descriptors, File pointer, Working with text files, working with binary files, Character I/O, EOF, Sequential and random access. | | | | |
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| **Module:5** | **Preprocessor Directives and programming method** | **4 hours** | **CO: 4** | |
| Preprocessor Directives: #include statements, #define statements, #error, Conditional compilation, #undef, The # and ## preprocessor operators, Predefined macro names, Nested macros, Multiline macros, Macros pitfalls, Macros Vs enums, | | | | |