**See, in FAT question paper, you may have three parts. Part A, Part B and Part C.. 5 marks in part a, 8 or 10 marks in part b, 12 or 14 or 15 marks in part C**

Module 1 - you may get code snippets for which you have to find the outputs. Assume that there is no syntax errors involved in the code segments (including order of operations, logical operations, format specifier etc.)

You may get some C programs to calculate something using built-in functions.

#include<math.h>

Strcmp, strlen

Module 2 - You may get a real-time application-based or game-based program.

2) A menu-based program may also be there (Library Management, Ticket Reservation)

Break – control coming out of loop

Exit – control coming out of program

goto – going to a specific label

Module 3 - You may get programs related to strings as arrays, functions

Matrices using Array – When we pass array into another function, then the changes will reflect on Arrays.

Difference between \*p+1 and \*(p+1)

Usage of () and [] in pointers

Strings functions

Module 4 - Everything is important here. Because they are needed for module 6. be thorough with the list of sfrs – learn all

Bit Addressable – important (eg: Port 0 – 3)

Difference between Microprocessor and Microcontroller

Memory Organization

Memory Interfacing

Module 5 - bit level, byte level programming based on nibbles, logical operations etc.

& 0x0F – Lower Nibble is selected

& 0xF0 – Higher Nibble is selected

Module 6 - Serial communication, interrupt, timers

PCON = PCON | 0x80;

Interrupt 0 – 4 ISR names

Calculate TH, TL – for different Crystal Frequency

Interrupt – multitasking

Module 7 - keypad, lcd, seven segment, adc, dac and sensor interfacing. All are important here.