FY.B.C.A. EXAMINATION

Sub: Introduction to Programming Language
Paper Code: 8052
Time: 3 hours   **Marks: 100**
Instructions:

Q – 1	**(a)** Explain structure of C Language.	**10**
	(b) Draw the flowchart for the process of linking & compiling c program.	**10**

OR

Q – 1	**(a)** What is algorithm? State the advantages and disadvantages.	**10**
	(b) Write a detail note on types of programming languages.	**10**

Q - 2	**(a)** Explain switch case with example.	**10**
	(b) Discuss if statements with example.	**10**

OR

Q - 2	**(a)** Write a detail note on operators.	**10**
	(b) Explain do…while loop with example.	**10**

Q – 3	**(a)** Write a C program to take 5 values in 1-d array and print the sum of it.	**10**
	(b) Write a detail note on Sorting of 1- D array.	**10**

OR

Q – 3	**(a)** Explain 1-D array with example.	**10**
	(b) Explain strlen(), strcpy() & strrev() string functions.	**10**

Q - 4	**(a)** Discuss various categories of user define function with example.	**10**
	(b) Write a detail note on recursion.	**10**

OR

Q - 4	**(a)** Explain any 5 math functions.	**10**
	(b) Explain call by reference and call by value with example.	**10**

Q – 5 (a) Discuss following functions: fget(), rewind(), fgets(), fwrite(), fclose(). **10**

    (b) Explain structure declaration and initalization with suitable program. **10**

OR

Q - 5 (a) Explain array of structure with suitable example. **10**

    (b) Explain union in detail. **10**