



**B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS, APRIL 2022**

**COMPUTER PROGRAMME USING C**  
(Common to ECE & CSE)

**Max. Marks: 70**

**Date: 09.05.2022 Duration: 3 hrs**

*NOTE: This question paper contains two parts A&B. Part A is compulsory which carries 20 marks. Answer all questions in part A. Part B consists of 5 units. Answer any one full question from each unit Each question carries 10 marks and may have a,b,c*

**PART-A**

All the following questions carry equal marks

10x2M=20Marks

1. List out the different Hardware devices of Computer?
2. Convert the following  $(2546)_{10} = (?)_8$
3. What is variable and explain with syntax?
4. List the differences between while and do-while loop?
5. Define data structure.
6. Define pointer and explain with an example?
7. Define Nested structure?
8. List any five string handling functions with syntax?
9. List the different file opening modes.
10. Define call by reference?

**PART-B**

Answer all the following questions

10Mx5=50Marks

11. Explain the different operators available in C language [10]  
OR
12. Explain about the selection statements present in C language. [10]
13. Define Array. Explain types of Arrays with an example. [10]  
OR
14. Discuss about storage classes and their usage in C programming. [10]
15. What is meant by Call-by-reference? Demonstrate it using a C program. [10]  
OR
16. Define pointer to a pointer? Explain with an example. [10]
17. Define String? Develop a C program to check whether given string is palindrome or not. [10]  
OR
18. a) Explain about pre-processor commands in C language? [5]  
b) Compare and Contrast structure and union? [5]
19. Explain about file handling functions in C language? [10]  
OR
20. Write about different file positioning functions in C. Write a C program to demonstrate the concept of file positioning. [10]