Mid-West University

Examinations Management Office

Semester End Examination 2080

Bachelor level/ B. Sc. /4th Semester

Time: 3 hours

Subject: C-Programming (CS347)

Full Marks: 60

Pass Marks:30

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Very Short Answer Questions (Attempt All). [8x2 = 16]

1. Enlist the features of C language.
2. What is identifier?
3. How can you define constants in C? Give examples.
4. What is structure? Write the syntax of structure.
5. State the use of fgetc() and fputc() with example.
6. What are bitwise operators in C?
7. Write the advantages of user-defined functions.
8. What are the symbols used in standard flowcharts?

Group B

Short Answer Questions (Any Four). [4x5 = 20]

9. Write a program to test given number is prime or not.
10. Explain do while loop with syntax and flowchart.
11. Write a program to display sum of all the even numbers from 1 to 1000.
12. Define an array. Write a program to display sum of all the elements of an array of size 10.
13. Explain pointer arithmetic with examples.

Group C

Long Answer Questions (Any Two). [2x12 = 24]

14. Explain different types of selection statements in C with necessary examples.
15. Write a program to input two matrices and find the sum of those two matrices. The size of matrices must be given by user.
16. Write a program to create a structure for representing a complex number. A complex number has real and imaginary parts and is represented as 'a + ib '. The program should ask for two complex numbers and display their sum using user defined function.

The End