

Mid-West University
Examinations Management Office
Surkhet, Nepal
Final Examinations -2079

Bachelor level/ B.Sc /4th Semester
Time: 3 hrs
Subject : C Programming (CS347)

Full Marks: 100
Pass Marks : 50

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

Short Answer Questions (Attempt any five)

[5 x 4 = 20]

1. Define variable. Mention the rules to write variable in C language.
2. Write flow chart to determine whether the given number is divisible by 3 and 5 or not.
3. Differentiate between structure and union.
4. Clarify the concept of switch statement.
5. What is compiler? How is it different from interpreter?
6. Write notes on operator, operand and expression.

Group B

Long Answer Questions (Attempt any eight)

[8 x 10 = 80]

- ✓ 7. Explain the types of operator with illustrations.
- ✓ 8. Write a program to find the greatest number among three different numbers. Also write its algorithm and flow chart.
- ✓ 9. Describe about the various types of 'if' statements with example.
- ✓ 10. Write a program to display the square root of given number with algorithm.
- ✓ 11. What is loop? Differentiate between while loop and for loop.
- ✓ 12. Define an array with its types. Write a program to display of sum of two 2 x2 matrices where data are entered through keyboard.
- ✓ 13. What is function? Explain the components of user defined function with example.
- ✗ 14. Define an arrange of structure. Write a program to display the title, author name, price and page number of 5 books using structure.
15. Clarify the pointer. Write about the address operator (&) and Indirection operator (*) of pointer with suitable example.
- ✗ 16. Mention the importance of data file in programming. Also write different types of modes which are used during the programming

THE END