

Mid-West University
Examinations Management Office
End Semester Examinations 2081

Bachelor level/ B.E. Civil/ 1st Semester
Time: 3 hours

Full Marks: 50
Pass Marks: 25

Subject: Basic Computer Concept and Programming (CO411/CO101)

- *Attempt all the questions*
- *Figures in the margin indicate full marks.*
- *Assume suitable values, with a stipulation, if necessary.*
- *Candidates are required to answer the questions in their own words as far as possible.*

1. What is computer network? Explain the different types of computer networks. [1+3]
2. What do you mean by compiler? Explain in brief, the steps involved during compilation. [4]
3. a) Explain token, identifiers and keywords with example. [2]
b) Define operator in C. List out different operator in C. Explain any two of them with example. [3]
4. a) What is variable in c? Write its naming conventions. [2]
b) Write a program to calculate the area of rectangle. The length and breadth of the rectangle should be read from keyboard. [3]
5. a) Write algorithm, flowchart and source code for a program to find prime number from 1 to 100. [3]
b) Write a program in C to display the following output. [2]

c) Write a program in C to check whether the entered character is vowel or not. Use switch statement. [2]
6. a) What is two-dimensional array and how it is initialized? [2]
b) Write a program in C to read two m*n matrices and display their sum using array. [3]
7. a) Define function and its return value in C with example. [2]
b) Write a program in C to find the factorial of any number using function. [4]
8. Define indirection operator in C. Write a program to calculate average market price of ten goods available in supermarket using pointer. Read the price of each goods from keyboard. [1+3]
9. a) Write the syntax for structure variable declaration with example. [2]
b) Create a structure named student that has name, roll, marks and remarks as members. Assume appropriate types and size of member. Use this structure to read and display records of 6 student. [4]
10. How a data file can be opened and closed in C. Write a program to open the file "yourname.txt", read its content and display on the screen. [2+2]

The End