University of Sargodha

M. Sc. I. T, First Term Exam 2015

Subject: I. T   Paper: Programming Fundamentals (CMP: 2122)

Time Allowed: 2:30 Hour

Maximum Marks: 60

Objective Part   Compulsory

Q. 1   Note: Attempt all questions each question carry equal marks? (12 × 2 = 24)

1. What are comments in C?
2. What are escape sequences?
3. What is the use of preprocessor in C language?
4. What is the right declaration for main function? Is void main() correct?
5. Define the valid identifier.
6. What is flow-chart?
7. Where we use break statement in a C program?
8. What is the difference between ++i and i++?
9. Describe the function header in C?
10. What is the difference between syntax error and logic error?
11. What is meant by the "equivalence of pointers and arrays" in C?
12. What are Counter-controlled repetition requirements?

Subjective: (9 × 4 = 36)

Note: Attempt any four questions. All questions carry equal marks

Q. 2   Develop a C program to sort array by using bubble sort method.

Q. 3   Write a program that finds the smallest of ten integers.

Q. 4   The greatest common divisor (GCD) of two integers is the largest integer that evenly divides each of the two numbers. Write function gcd that returns the greatest common divisor of two integers.

Q. 5   Develop a C program to find class average grade with counter controlled repetition.

Q. 6   Write a program that asks the user to enter two numbers, obtains these two numbers from the user and prints their sum, product, difference, quotient and remainder.

Q. 7   Write a program to copy the contents of one text file into another text file.

*************************** END ***************************