

ESKPXII-XXVI (I)
COMPUTER SCIENCE PART-II

Time: 2 Hours 40 Minutes

SECTION "B"

Marks: 36

Q.2. Give short answers to any NINE (09) questions. All questions carry equal marks.

- i. What is an OS? Name and briefly explain any two commonly used operating systems.
- ii. Define process and thread. Write two differences between them.
- iii. What SDLC? Explain main objectives of SDLC.
- iv. What is a computer program? Discuss IDE.
- v. Define constant and variable in C++.
- vi. What are escape sequences in C++? Write any four escape sequences with their uses.
- vii. What are operators in C++? Explain any three types of operators.
- viii. What are decision statements? Explain the purpose of the "if statement" with a simple example.
- ix. Explain how an array is represented in memory with a simple example.
- x. What is string in C++? Give an example and explain how string is used in a program.
- xi. What is the scope of a variable in C++? Explain.
- xii. Write advantages of using function overloading in C++.

SECTION "C"

Marks: 24

Note: Attempt any THREE (03) questions from the following. Each question carries equal marks.

- Q.3.** Describe in detail Functions of Operating System.
- Q.4.** Write a C++ program that will get the input of a positive integer and then find and print a multiplication table on screen.
- Q.5.** What is object? How objects are created to access members of a class?
- Q.6.** Define software development life cycle (SDLC). What are its objectives?