

12251
COMPUTER SCIENCE
Abbottabad 2025
PART-II

P-400

Time: 2 Hours 40 Minutes

SECTION-B

Marks: 36

1. Attempt any nine of the following short questions. Each question carries 4 marks

- i. Write down any four features of Windows operating system.
- ii. Draw a diagram that shows the correct sequence of SDLC phases.
- iii. Briefly write about any four types of feasibility studies.
- iv. Differentiate between `gets()` and `puts()` function with the help of an example.
- v. What is ternary operator? Describe briefly.
- vi. Write a program in C++ that will find that whether the number input by user is even or odd.
- vii. What is `continue` statement? How is it used?
- viii. What is nested loop? In what situations can it be used?
- ix. What is string in C++? Write down different methods defining and initializing string.
- x. Define function. Write down any three advantages of using a function.
- xi. Define pointer. Write down the syntax for declaring and initializing pointer.
- xii. Differentiate constructor and destructor.

SECTION-C

Marks: 24

NOTE: Attempt any three of the following questions. Each question carries 8 marks.

2. Define object and class. Write two access specifiers that influence the access of a class member. Give example code.
3. How can a function overloading be performed? Write down different features that allow function overloading.
4. Write a program in C++ that will find the sum and average of first 50 natural numbers.
5. Write a program in C++ that will input the value of daily rainfall of a city for one month and then find the highest rainfall for that month.