

KT-XII-28-I
COMPUTER SCIENCE-II-26(A)
HSSC-12th-Kohat-2026
Fresh/Reappear

Time Allowed: 2:40 Hrs

Marks: 36

SECTION- "B"

Q.No.2 **Attempt any NINE parts. All part carries equal marks.**

- | | | |
|-------|---|---------|
| I. | Differentiate DOS and Windows Operating System. | 2+2 |
| II. | Define Thread. List three commonly used operating system. | 1+1+1+1 |
| III. | List four objectives of software development life cycle. | 1+1+1+1 |
| IV. | Define Keywords in C++. List three escape sequences. | 1+1+1+1 |
| V. | Evaluate the following. | |
| | (a) (false && true) (false true) (b) !(7>6 && 1<2) | 2+2 |
| VI. | Write a program in C++ using for loop that prints product of all even no from 10 to 40. | 1+3 |
| VII. | Define Array. How two-dimensional array is represented in computer memory? | 1+3 |
| VIII. | Write a C++ program having function name area and to find the area of a rectangle. | 1+3 |
| IX. | Differentiate local and global variable. | 2+2 |
| X. | What is null pointer? List three advantages of using pointer variable. | 1+1+1+1 |
| XI. | Differentiate base and derived class. | 2+2 |
| XII. | Define Polymorphism? List three modes of opening file. | 1+1+1+1 |

SECTION- "C"

Marks: 24

Note: **Attempt any THREE questions. All question carries equal marks.**

- | | | |
|------------|--|---------|
| Q.No.3 (a) | What is for loop? Discuss its components. | 1+3 |
| (b) | Write a program in C++ using while loop that display numbers from 1 to 30 in descending order. | 1+3. |
| Q.No.4 (a) | Draw and label Five -State process model diagram. | 1+3 |
| (b) | Write Four rules for naming variables in C++. | 1+1+1+1 |
| Q.No.5 (a) | List names of four Arithmetic operators in C++ with one example for each. | 1+1+1+1 |
| (b) | What is Class? How objects are created to access members of a class? | 1+3 |
| Q.No.6 (a) | Write Four advantages of function overloading. | 1+1+1+1 |
| (b) | What are decision statements? Write a C++ program that demonstrate concept of decision statements. | 1+3 |