

Sample

9	8	7	6	5	4	3	2	1	0
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0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

991234



160

Signature of Student: _____

Sign and Seal of Suptd: _____

HSSC-A-I-2026 (12th) P-479 0+0=

(Section-A) Marks= (15) Time Allowed: 20 Minutes

All questions of this section must be answered on this page and handed over to the Superintendent within given time.

Student Name: _____

Name of Paper: COMPUTER SCIENCE (CS-II)

Paper Date: 15-MAY-26

Paper Code: 90

Paper Version

SEAL

Roll No

Student Must Fill the Roll Number Bubbles

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

سوالات

- Which type of operating system is most suitable for critical applications such as air traffic control system? a) batch OS, b) real time OS, c) network OS, d) embedded OS
- Which was the first operating system used for the personal computer? a) MAC OS, b) Windows 10, c) Windows XP, d) DOS
- Outline of a program written in a form that easily be converted into real programming statement is called a) pseudo code, b) flowchart, c) algorithm, d) source code
- Which SDLC phase involves the installation and activation of both hardware equipment and software application. a) coding, b) testing, c) implementation, d) maintenance
- Which of the following is octal constant? a) 578, b) 0X3FF, c) 6.8, d) 01264
- What is the output of cout<<70%3; a) 1, b) 234
- Which of the following is string constant? a) 'B', b) 33, c) "B", d) Book
- Which loop is exit controlled loop? a) do-while, b) while, c) for-next, d) for
- Which keyword is used to exit a loop immediately? a) continue, b) break, c) exit, d) stop
- Which function is used to interchange the values of two strings? a) change(), b) interchange(), c) strcat(), d) swap()
- Actual parameters are also called a) variable, b) arguments, c) constant, d) identifiers
- A void pointer is also known as a) null pointer, b) zero pointer, c) generic pointer, d) none of these
- Which operator is used to get the address of a variable? a) *, b) &, c) -->, d) &&
- Which function is used to read data character by character from files? a) getch(), b) gets(), c) getche(), d) get()
- Default mode parameter for ifstream is a) ios::in, b) ios::out, c) ios::lf, d) ios::off

سوال نمبر کے مطابق درست جواب نمبر کا دائرہ پر کریں۔

- A B C D
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If the Candidate is absent, The Superintendent Should fill this Circle and pack the sheet with solved OMR sheets in roll number order



Time: 2 Hours 40 Minutes

SECTION-B

Marks: 36

1. Attempt any nine of the following short questions. Each question carries 4 marks
 - i. Define job. State how batch processing system process jobs?
 - ii. Differentiate between multitasking and multithreading.
 - iii. What is requirement engineering? Give at least two examples of functional requirements and non-functional requirements.
 - iv. What is SDLC? List the phases involved in SDLC.
 - v. Define constant. Also write the use of constant qualifier with example.
 - vi. What is an operator also define unary, binary and ternary operators with one example of each.
 - vii. Write a C++ program to get three integers and then calculate arithmetic mean and display on screen.
 - viii. Write a C++ program to display even number from 20 to 4 in reverse order using while loop.
 - ix. Write a purpose strcpy() function with an example.
 - x. What is pointer? How is pointer declared and initialized? Write system and give an example also.
 - xi. Define an object in C++. Write syntax and give an example.
 - xii. Write a C++ program that illustrate the concept of constructor.

SECTION-C

Marks: 24

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

2. Define process. Discuss the different states in process model. Describe the transition between states with the help of diagram.
3.
 - i. Explain the concept of if-else statement in C++. Describe its syntax and also working with the help of flowchart.
 - ii. Write a C++ program to find out the area of rectangle and if any side is zero then display the message "There is no rectangle".
4.
 - i. What is one-dimensional array? Give an example of declaring and initializing array of 5 integers with values 10, 20, 30, 40, 50.
 - ii. Write a C++ program to find sum of two dimensional array `int test[2][3]` and display result on the screen.
5. Explain different methods of passing arguments to a function in C++ and illustrate each method with appropriate examples.