| Roll Number | | Superintendent |
|---|---|---|
| In Figures: _____ | **COMPUTER SCIENCE** | Signature / Stamp: |
| | Inter Part – II (New) | |
| In Words: _____ | (Fresh) | |
| | Fic. No. _____ | |
| _____ | (For Board's Office use only) | |

**COMPUTER SCIENCE**

Inter Part – II (New)

(Fresh)

Fic. No. _____

(For Board's Office use only)

**Time Allowed: 3 Hours**         **Marks: 75**

**Note:**   There are THREE sections in this paper i.e. Section **A, B** and **C**.

Attempt Section-A on the same paper and return it to the Superintendent within the given time.

No marks will be awarded for **Cutting, Erasing or Overwriting. Marks of Identification** will lead to UFM case, **Mobile Phone** etc are not allowed in the examination hall.

**Time Allowed: 20 minutes**      **Section – A**      **Marks: 15**

**Q-I**   Write the correct option i.e. A, B, C or D in the empty box provided opposite to each part.

| # | Question | A | B | C | D | Ans |
|---|---|---|---|---|---|---|
| i. | Window is an ........... | Application software | System software | Driver | None of these | B |
| ii. | The most recently launched operating system of Microsoft is........... | Window 98 | Window 10 | Window 8 | None of these | B |
| iii. | (false && true) \|\| false | True | False | Both A and B | None of these | |
| iv. | The extension of C++ program is.............. | .CPP | .h | .C | .mdb | A |
| v. | In C++ language char ch='15' represents........... | A digit | An integer constant | A character constant | A word | B |
| vi. | Every C++ program must have at least........functions. | 1 | 2 | 3 | 4 | A |
| vii. | Alt + F9 is used for ......program. | Running | Compilation | Open | Close | B |
| viii. | If int i = 2 then what will be the output of 'cout<<("i=",i++); | 2 | 3 | 1 | 4 | B |
| ix. | ....is selection statement in C++. | Break | Goto | Exit | Switch | D |
| x. | The location number of an item in an array is called........ | Data | Value | Index | Constant | C |
| xi. | "WELCOME TO BISE PESHAWAR" is a ......constant. | Integer | Character | Float | String | D |
| xii. | We declare a function with....... If it does not have any return type. | Long | Double | Void | int | C |
| xiii. | Variable inside parenthesis of functions declarations have....... level access. | Local | Global | Module | Universal | B |
| xiv. | Inheritance is used to........ | Increase the size of a program | Make the program simpler | Provide the facility of code reusability | Provide the facility of data hiding | A |
| xv. | EOF stands for ........ | Errors-on-files | End-of-file | Exit-of-file | None of these | B |

# COMPUTER SCIENCE

Inter Part –II (New)

(Fresh)

**Note:** Time allowed for Section – B and Section – C is 2 Hours and 40 minutes.

## Section – B

Marks: 40

Q-II Answer any TEN parts. Each part carries FOUR marks.

1. Differentiate real time operating system and embedded operating system.

2. Compare Windows and UNIX operating system.

3. Differentiate algorithms and flowchart.

4. Explain coding phase of software development life cycle.

5. Evaluate the given: i. !(7>6 || 3>4) ii. (False&&true) ||true

6. Differentiate increment and decrement operator.

7. Explain nested loop with the help of program.

8. Write the general syntax for if-else statement and draw flow chart for it.

9. What is an array? How one dimensional array is initialized?

10. Differentiate copy ( ) and strcpy ( ) functions.

11. Define default arguments. Describe advantages of default arguments.

12. How objects are created to access members of a class?

13. Write a C++ program to get three subjects marks of a student and then calculate total, average and percentage and display them on the screen.

## Section – C

Marks: 20

**Note :** Attempt any TWO questions. All questions carry equal marks.

Q-III How a function can be overloaded in C++. Describe it with the help of C++ program.

Q-IV What is constructor overloading? Explain it with the help of C++ program.

Q-V Write note on the given:

(a) Formal parameters

(b) Polymorphism