

Roll Number
 In Figures: _____
 In Words: _____

PR XII (01) 17
COMPUTER SCIENCE
 Inter Part – II (New)
 (Fresh)
 Fic. No. _____
 (For Board's Office use only)

Superintendent
 Signature / Stamp:

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.

- | | | | | | | |
|-------|---|---------------------|------------------------|--------------------------|------------------|--------------------------|
| i. | DOS stands for | A. Doctor of system | B. Document of system | C. Disk operating system | D. None of these | <input type="checkbox"/> |
| ii. | A DBMS in which relationships are treated as table is called..... | A. Linux | B. MS word | C. UNIX | D. Window XP | <input type="checkbox"/> |
| iii. | A process consists ofstates. | A. Five | B. Three | C. Two | D. Six | <input type="checkbox"/> |
| iv. | The expression $E = 8 + 4 * 4 \% 3$ evaluate to..... | A. 1 | B. 8 | C. 11 | D. None of these | <input type="checkbox"/> |
| v. | In C++ language char ch = 'a' represents | A. A digit | B. An integer constant | C. A character constant | D. A word | <input type="checkbox"/> |
| vi. |is subset of a C++ language. | A. C language | B. Java | C. B language | D. C # language | <input type="checkbox"/> |
| vii. | Which of the given header file must be included to use clrscr () function? | A. <iostream.h> | B. <string.h> | C. <conio.h> | D. <sstream.h> | <input type="checkbox"/> |
| viii. | Strings are character arrays. The last index of it contains the null character..... | A. \n | B. \t | C. \0 | D. \j | <input type="checkbox"/> |
| ix. |is not a jump statement in C++. | A. Break | B. Goto | C. Exit | D. Switch | <input type="checkbox"/> |
| x. | We declare a function with if it does not have any return type. | A. Long | B. Double | C. Void | D. Int | <input type="checkbox"/> |
| xi. | Variables inside parenthesis of function declarations have level access. | A. Local | B. Global | C. Module | D. Universal | <input type="checkbox"/> |
| xii. | A text file has the extension..... | A. .doc | B. .docx | C. .txt | D. .bin | <input type="checkbox"/> |
| xiii. | EOF stands for | A. Errors on files | B. End of file | C. Exit of file | D. None of these | <input type="checkbox"/> |
| xiv. | Normally a function can returnvalue. | A. 1 | B. 2 | C. 3 | D. 5 | <input type="checkbox"/> |
| xv. | Variables are created in | A. RAM | B. ROM | C. Hard Disk | D. Cache | <input type="checkbox"/> |

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. Define process. Discuss New, Running and Blocked state of a process.
2. Differentiate multitasking and multiprogramming.
3. What is meant by the term software requirement?
4. Differentiate algorithms and flowcharts.
5. Evaluate the following.
 - a. $(\text{false} \& \& \text{true}) \parallel \text{false}$
 - b. $!(5 > 6) \parallel (3 > 4)$
6. Write rules for naming variables in C++.
7. Write general syntax of if statement.
8. Define array. Write down the general syntax for the declaration of one dimensional array.
9. Write down the general syntax for the declaration of string in C++.
10. Differentiate local and static variables.
11. What is function prototype?
12. What is inline function?
13. Differentiate class and object.

Section - C**Marks: 20**

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

- Q-III What is access Specifier? Discuss private and public access specifiers with C++ programming example.
- Q-IV Define distributed operating system and describe its advantages and disadvantages.
- Q-V Write note on the following.
 - (a). if-else statement
 - (b). Continue statment