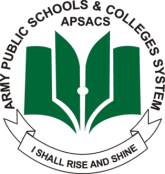
**Army Public School & College JPJ CANTT**

**Preparatory Test Series( PTS I ) 2023**

**Subject: Computer Science Class: XII Section: \_\_\_\_\_\_\_\_**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No : \_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_**

**Total Marks: 50 Obt. Marks: \_\_\_\_**

**Section - A**

**Q.No.1. Choose the correct option: (1x10=10)**

|  |  |  |  |
| --- | --- | --- | --- |
| **i.** If we have the statement int \*ptr; then to what ptr point? | | | |
| A) points to an integer type variable | B) points to a character type variable | C) points to a floating type variable | D) None of these |
| **ii.** A pointer is: | | | |
| A) A keyword used to create variables | B) A variable that stores address of an instruction | C) A variable that stores address of another variable | D) All of the above |
| **iii.** The operator used to get value at address stored in a pointer variable is | | | |
| A) \* | B) & | C) && | D) | |
| **iv.** Which of the statements is correct about the following segment code? | | | |
| A) int i=10; | B) int \*j=&I; | C) j and i are pointers to int | D) i and j are pointers to int |
| **v.** In pointers, dereference operator (\*) is used to | | | |
| A) Address the value of the pointer variable | B) points to the value stored in the variable | C) Both a and b | D) None of the above |
| **vi.** In file handling open() function is used | | | |
| A) to open C++ compiler | B) to open a file | C) both a and b | D)none of the above |
| **vii.** Default mode parameter for ofstream is | | | |
| A) ios::out | B) ios::in | C) ios::binary | D) both a and b |
| **viii.** A text file has the extension | | | |
| A) .doc | B) .docx | C) .txt | D) .bin |
| **ix.** ios::binary is used as an argument to open() function for | | | |
| A) opening file for input operation | B) opening file for output operation | C) opening filein binary mode | D) none of the above |
| **x.** A text file has the extension | | | |
| A) .doc | B) .docx | C) .txt | D) .dat |

**Section - B**

**Q.2. Write short answers. All questions carry equal marks. (3\*10=30)**

1. Why Pointers are used in C++ Program?
2. Differentiate between Reference and Dereference operator?
3. How we declare and initialize a pointer in C++ program? Elaborate with an example.
4. Define void and null pointer with the help of an example.
5. What is a file? Elaborate with examples.
6. What are the basic operations of handling a file in C++?
7. Explain modes of opening a file? Write any two modes.
8. Define bof() and eof() functions.
9. What are the rules for using eof()?
10. How many types are streams to handle a file in C++ program?

**Section –C**

**Q.3. Briefly explain the following question. (10)**

1. Write a program that write the following line to a file saved at (C:\Users\hp\Documents\myfile.txt) and also read the data from the file and show it to console screen.

“Study so hard so that one day your school invite you as a chief guest.”