

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, PESHAWAR

Higher Secondary School Certificate (H.S.S.C.) Examination

COMPUTER SCIENCE

PR - XII (A-02) (21) · Inter Part-II (New) (Fresh/Reappear)

Class: 12th (Inter Part-II)**Year:** 2021**Total Marks:** 75**SECTION - A****Time Allowed:** 20 Minutes **Marks:** 15**1. Four circles are given against every question; fill only the circle of the correct answer. 2. Use a blue or black pen to shade (fill) the circles. 3. Filling more than one circle for an answer will make that answer wrong.**

- 1 Which of the header file must be included to use string stream?
☐ <iostream> ☐ <string> ☐ <sstring> ☐ <sstream>
- 2 Arguments of a functions are separated with.....
☐ Comma ☐ Semicolon ☐ Colon ☐ None of these
- 3 The conversion of data from one type to another is called.....
☐ Type casting ☐ Debugging ☐ Reserve words ☐ Constant qualifier
- 4 Constructors are usually used for.....
☐ Constructing ☐ Running classes ☐ Initializing objects ☐ All these
- 5 C++ programs are converted [...] machine language with the [...] of
☐ Interpreter ☐ Operating system ☐ Compiler ☐ None of these
- 6 The last character of a string array is
☐ \n ☐ [option obscured in source] ☐ \t ☐ \0
- 7 The continue statement.....
☐ Resumes the program if it is hanged ☐ Resumes the program if break was applied ☐ Skips the rest of the loop in current iteration ☐ All these
- 8 System software is also known as.....
☐ Application program ☐ Operating system ☐ Reserve program ☐ Productivity software
- 9 A process is said to be in running state if it is under.....
☐ Testing ☐ Debugging ☐ Execution ☐ None of these
- 10 The.....determine whether the project should go forward.
☐ Problem identification ☐ Feasibility ☐ System evaluation ☐ Design
- 11 Which of the given is not an operating system?
☐ LINUX ☐ MS-Word ☐ UNIX ☐ Windows
- 12 To execute the loop at least once for some time the C++ offers the facility of.....loop.
☐ While ☐ For ☐ Do - While ☐ None of these
- 13 Enhancements, up gradation and bugs fixation are done during the.....step in the SDLC.
☐ Maintenance & Evaluation ☐ Design ☐ Problem Identification ☐ Documentation
- 14 In C++ language char ch = '3' represents.....
☐ A digit ☐ An integer constant ☐ A character constant ☐ A word
- 15 Which of the given is not a looping statement in C++?
☐ For ☐ While ☐ Do-while ☐ Until

SECTION - B**Q-II Answer any TEN parts. Each part carries FOUR marks.****Note:** Time allowed for Section - B and Section - C is 2 Hours and 40 minutes. **Marks: 40**

- 1) Define coding phase in SDLC.
- 2) What is switch - default statement?
- 3) Differentiate between multitasking and multithreading.
- 4) Define local and global functions.
- 5) What is loop? Write general syntax of while loop.
- 6) Define declaration and initialization of a variable.
- 7) What are the main advantages of using functions?
- 8) Define input/output system management.
- 9) What is string?
- 10) What is destructor?
- 11) How we can initialize two dimensional array?
- 12) What is constants? Explain with examples.
- 13) What is data hiding?

SECTION - C**Note: Attempt any TWO questions. All questions carry equal marks.****Marks: 20****Q-III (a)** What is operators?

(b) What types of operators used in C++?

Q-IV Write a C++ program to input a character from the keyboard and display message after testing whether it is vowel or consonant.

Q-V Write short note on the following:

- (a) Function overloading
- (b) Requirement Engineering in SDLC

Notes on this transcription

- Typeset transcription of the original Board question paper, reset for legibility. No answer key is included; the source objective sheet arrives with the correct bubbles already shaded, and the options are reproduced here unmarked.
- The objective half is the original machine-readable answer sheet, carrying a barcode and blank Name and Roll No fields; these are omitted here. The two halves carry handwritten booklet numbers P-471 (objective) and P-472 (subjective), which are not paper codes.
- The objective sheet prints its instructions in Urdu; they are given above as an English rendering.
- **Q.6, second option:** this cell sits entirely under the source watermark and survived neither intensity separation nor 8x magnification, so it is left marked rather than guessed. The other three options read \n, \t and \0.
- **Q.5 stem:** two runs of the printed stem are washed out of the source scan (the word before “machine language” and the word before “of”). They are marked rather than supplied; the sense is carried by the options.
- The subjective sheet heads itself “Inter Part-II (New) (Fresh/Reappear)”; it is filed here as 12th class. The paper prints no group label — Peshawar Board sheets do not carry one.
- Board spellings and slips kept verbatim: “Arguments of a functions”, “Reserve words”, “Reserve program”, “What is operators?”, “What is constants?”, “How we can initialize two dimensional array?”.