

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, PESHAWAR

Secondary School Certificate (S.S.C.) Annual Examination 2023

COMPUTER SCIENCE (New)

Class: 10th (Fresh/Reappear)	Ref: PR X (01) 23	Medium: English
Time: 2 Hours 30 Minutes		Total Marks: 55

SECTION - A (Objective)

Time: 15 minutes · Marks: 11

Fill only the circle of the correct answer. (Rubric printed in Urdu on the sheet — see notes.)

- Which of the given functions is used to display output on the screen?
A. printf() B. scanf() C. gets() D. getchar()
- Which of the given is not a high level language?
A. BASIC B. Assembly language C. Pascal D. FORTRAN
- In C language, every statement is terminated by.....
A. Full stop B. Double quotes C. Semicolon D. Comma
- The case block ends with.....
A. } B. { C. Break; D. Default
- Which loop structure always executes at least once?
A. do-while B. for C. while D. nested
- A loop within another loop is called
A. Counter loop B. Complex loop [probable]
C. Outer loop D. Nested loop
- Which operator is used to add 1 to the value of an integer variable?
A. + B. = C. -- D. ++
- Text or image in a web page that links it to another web page is called.....
A. Web link B. Browser link C. Hyper link D. Search link
- Internet address which identifies a website is called.....
A. Web page B. Website C. Web server D. URL
- The output of which gate is '1' only when all its inputs are 1?
A. AND gate B. OR gate C. NOT gate D. NAND gate
- Which gate performs the logical negation or complementation?
A. AND gate B. OR gate C. NOT gate D. XOR gate

Note: Time allowed for Section - B and Section - C is 2 Hours and 15 minutes.

SECTION - B

Marks: 28

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

- Define any three problem solving techniques.
- Write an algorithm to calculate the factorial of a given number and draw flowchart for it.
- Differentiate between compiler and interpreter.
- What is IDE?
- Write rules for variable names.
- Why escape sequences are used? Give examples.
- Differentiate between do-while and while loop.
- Create an HTML document that contains hyperlinks to three websites.
- Write the HTML tags for the following:
(i) Paragraph (ii) Heading (iii) Superscript (iv) Underline

SECTION - C

Marks: 16

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

Q-III What is flowchart? Explain flowchart symbols in detail.

Q-IV What are high level languages? Explain any three types of high level languages.

Q-V Write a program in C to input three integers. Find out the largest among these integers using if-else structure and print it on the screen.

Notes on this transcription

1. Typeset transcription of the Peshawar Board sheet (English-medium text). The sheet also prints the same paper for Urdu-medium candidates; that half is not in this file. On the objective sheet every question stem is printed in both English and Urdu; only the English is given here.
2. The Section-A rubric is printed only in Urdu on the sheet (fill only the correct circle; use a blue or black marker; filling more than one circle counts as wrong); given here as an English rendering.
3. The source sheet came with answers already marked by the publisher. Options are given here unmarked; no answer key is included.
4. Section A question 6: the second option is under the watermark after its first three letters ("Com..."); set as "Complex loop" because that is the option the board used for the same question in 2019 — treat as probable.
5. The objective sheet prints its time as 15 minutes and marks as 11 but no overall total; the 2½-hour / 55-mark totals match the section marks (11 + 28 + 16).
6. Name, roll-number and barcode fields on the objective sheet are omitted. Booklet numbers P-351 (objective) and P-352 (subjective).
7. Peshawar sheets print no group label, so the paper is filed without one.