

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, PESHAWAR

Secondary School Certificate (S.S.C.) Annual Examination 2021

COMPUTER SCIENCE (New)

Class: 10th (Fresh)	Ref: Paper – X (01) (21)	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 language is used to create web pages?
A. C language B. HTML C. URL D. Web browser
- An obstacle, difficulty or challenge, or any situation that requires resolution is:
A. Algorithm B. Complexity C. Problem D. None of these
- The case block ends with.....
A. } B. { C. Semicolon D. Break;
- is a set of instructions that tells a computer what to do and how to do?
A. Program B. Compiler C. Comments D. Hardware
- An electronic circuit that takes one or more than one input signals and produces a single output signal is:
A. Diagram B. Table C. Digital logic gate D. None of these
- 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
- In C language every statement is terminated by.....
A. Full stop B. Comma C. Semi colon D. Double quotes
- Which of the given is called modulus operator?
A. + B. % C. / D. *
- Which loop structure always executes at least once.
A. Do-while B. While C. For D. Both A and C
- Which of the given loop is a good choice when the numbers of iterations are known in advance?
A. For B. While C. Do-while D. Nested
- Internet address which identifies a website is called.....
A. Webpage B. Website C. Web server D. URL

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 For loop with its syntax.
- What are reserved words?
- Write rules for variable names.
- What is website?
- Define any of the four flowchart symbols with their purpose.
- Write a program in C to input two integers. Find out the largest among these integers using if-else structure and display it on the screen.
- Define OR logic gate with diagram.
- What is the purpose of gets () function?
- What is the purpose of puts () function?

SECTION - C

Marks: 16

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

Q-III What are constants and variables? Differentiate them with examples.

Q-IV Write a program in C to print the sum of odd numbers from 1 to 50 using for loop.

Q-V Write down different types of looping structures with examples.

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 objective sheet prints its time as 15 minutes and marks as 11 but no overall total; the 2½-hour / 55-mark totals are those of the Peshawar 10th Computer Science paper in the other years and match the section marks (11 + 28 + 16).
4. Name, roll-number and barcode fields on the objective sheet are omitted. Booklet numbers P-617 (objective) and P-618 (subjective).
5. Peshawar sheets print no group label, so the paper is filed without one.
6. Kept verbatim as printed: "terminated by.....", "Both A and C" (question 9), "the numbers of iterations are known".