

ESKPX-XXIV (I)
SSC-(P-II)
COMPUTER SCIENCE – 10th

Time Allowed: 2 ½ Hrs

Marks: 55

Note: There are **Three Sections** in this paper i.e. A, B and C. Attempt Section-A and return it to the Superintendent within the given time. No marks will be awarded for **Cutting, Erasing and Overwriting.**

Mobile Phone is strictly prohibited in Examination Hall.

Time: 15 Minutes

SECTION "A"

Marks: 11

Q.1. Choose the correct option and shade one of (A, B, C, D) in the given **Bubble Answer Sheet.**

- i.** Programmer is person who:
- (A) Calculates data (B) Develops instructions (C) Indicates syntax error (D) Displays output
- ii.** C++ and java are the examples of:
- (A) System software (B) Computer language (C) Software packages (D) System drivers
- iii.** A computer software that translates C language program into machine code:
- (A) Debugger (B) Editor (C) Compiler (D) Linker
- iv.** C language uses output function that is:
- (A) *getch()* (B) *printf()* (C) *scanf()* (D) *gets()*
- v.** C language uses assignment operator that is:
- (A) + (B) = (C) % (D) ÷
- vi.** Basic object of any structured programming language is:
- (A) control panel (B) assembler (C) control structure (D) compiler
- vii.** A type of control that repeats a statement on the basis of condition is:
- (A) control panel (B) looping (C) control structure (D) loop structure
- viii.** Break statement is used with:
- (A) switch (B) if (C) while (D) else
- ix.** Function of logical gates is based on:
- (A) flow of electric current (B) flow of electromagnetic (C) flow of magnetic field (D) flow of electric data
- x.** W3 web was first introduced on August:
- (A) 4, 1990 (B) 4, 1991 (C) 4, 1992 (D) 4, 1993
- xi.** News website saves old news and articles in:
- (A) record section (B) archive section (C) hard form (D) soft form

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SECTION "B"

Marks: 28

Q.2. Give short answers to any SEVEN (07) questions. All questions carry equal marks.

- i. Describe any four problem solving techniques.
- ii. Define computer language. Describe its two categories.
- iii. Explain the term IDE. How IDE helps the programmer?
- iv. Write a program in C language giving output as: "I am studying in Grade-X".
- v. Differentiate between *getch()*, *getche()* and *getchar()*.
- vi. Differentiate between control statement and control structure.
- vii. What is loop structure also mention its two purposes?
- viii.
 - a) Define data.
 - b) What is byte?
- ix. Why are informational web sites important? Give two examples.
- x. Differentiate between compiler and interpreter.

SECTION "C"

Marks: 16

Note: Attempt any TWO (02) questions from the following. Each question carries equal marks.

Q.3. Describe the below terms in detail:

- i. Computer Program
- ii. Computer Programmer
- iii. Program Syntax
- iv. Program Semantic

Q.4. Write a program in C language:

- i. Using *printf()* function, giving output as: "100 300 500 1000"
- ii. Using *puts()* function, giving output as: "PAKISTAN IS MY IDENTITY"

Q.5. Differentiate between:

- i. *for* loop and *while* loop
- ii. *do-while* loop and *while* loop