ESKPX-XXV (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. Flow of data during the algorithm process must follow the sequence:

Ⓐ Algo→input→output Ⓑ input→Algo→instruction Ⓒ instruction→Algo→input Ⓓ input→Algo→Output

ii. In order to create and run a C program you need a:

Ⓐ C language compiler Ⓑ C language loader Ⓒ C language linker Ⓓ C language debugger

iii. To include a library in a header file, symbol used is:

Ⓐ % Ⓑ # Ⓒ $ Ⓓ &

iv. Syntax for *printf* is:

Ⓐ *Printf("string"):* Ⓑ *Printf("string");* Ⓒ *Print("string");* Ⓓ *Print(string);*

v. Multiple data in C can be read by function:

Ⓐ *cin* Ⓑ *scanf* Ⓒ *getch* Ⓓ *gets*

vi. Syntax of skip statement is:

Ⓐ if (condition)statement% Ⓑ if ("condition")statement Ⓒ if (condition)"statement" Ⓓ if (condition)statement;

vii. Initialization part of for loop executes:

Ⓐ Thrice Ⓑ Twice Ⓒ Never Ⓓ Once

viii. Do-while loop executes the statement until the given condition is:

Ⓐ false Ⓑ zero Ⓒ equal Ⓓ true

ix. Basic unit of computer memory:

Ⓐ bit Ⓑ mega byte Ⓒ giga byte Ⓓ byte

x. Buying information is maintained at:

Ⓐ informational websites Ⓑ web portals Ⓒ personal websites Ⓓ business websites

xi. In HTML some tags use additional attributes, these attributes are usually written in:

Ⓐ middle tag Ⓑ first tag Ⓒ second tag Ⓓ last tag

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Time: 2 Hours 15 Minutes

SECTION "B"

Marks: 28

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

i. Write the steps of algorithm to convert temperature from Celsius to Fahrenheit.

ii. How data is converted from low level language to high level language?

iii. Define GUI, mention four GUI languages.

iv. Make diagram showing working of *cout* object.

v. What is the use of semicolon (;) in C program? Write its syntax.

vi. Describe Operator and their precedence in four sentences.

vii. Why *continuous statement* is used while writing a program also write its syntax?

viii. Define NAND Gate and how it differs from AND Gate.

ix. Define head tags in HTML. Write its syntax.

SECTION "C"

Marks: 16

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

Q.3. Explain in detail any four modules that are used in C programming environment.

Q.4. Write a program in C language to input total marks, obtained marks and to calculate percentage marks.

Q.5. Discuss in detail *nested for* loop and draw its working diagram.