New SLOs based Guess Paper for SSC Annual-II Examination 2023

As per a by the Controller of Examinations BISE Peshawar, the forthcoming SSC Annual-II (10th Class) Exam 2023 will be based on these SLOs-based papers.

COMPUTER SCIENCE

UNIT NO.1 PROGRAMMING TECHNIQUES.

KNOWLEDGE BASED QUESTIONS. 30%

1. Explain the criteria for measuring efficiency of an algorithm.
2. Problem: Find the sum, product and average of five given numbers.
3. Problem: Find the largest of three unequal numbers.
4. Problem: Find the volume of a cube.
5. Determine the flowchart requirements of a given problem or algorithm by the flowchart, developer before drawing a flowchart.
6. Define any of the four flowchart symbols with their purpose.

LONG QUESTIONS.

1. Draw/ Develop a Flowchart to find sum, product and average of live numbers.
2. Draw/ Develop a Flowchart to input the length of one side of cube and print its volume.
3. Draw/Develop a Flowchart to print odd numbers from 1 to 100

UNIT NO. 2 PROGRAMMING IN C

UNDERSTANDING BASE QUESTIONS.50%

1. Define programming language. Explain low level and high level languages.
2. What is programming environment?
3. Describe different integrated development environment modulus of C language.
4. Explain C language character set.
5. Define header files.
6. What is the structure of a C program?
7. Explain the types of comments in C language.
8. Write a program in C to input two integers.

APPLICATION BASED QUESTIONS. 20%

1. Different data types used in C program.
2. What is Flooting –Point Data type?
3. What is constant qualifier?
4. Explain the main ( ) function.
5. Differentiate between Global and Local variables.

LONG QUESTIONS.

1. Differentiate between Global and Local variables.
2. Explain the different data types used in C program.

UNIT NO. 3   INUT AND OUTPUT HANDLING.

KNOWLEDGE BASED QUESTIONS. 30%
1. Define input functions.
2. Define output functions.
3. Describe the getchar( ) function.
4. What is the statement terminator in C?
5. Define arithmetic operators and its types.

UNDERSTANDING BASED QUESTIONS. 50%
1. Differentiate between assignment operator and equal to operator?
2. Differentiate between Unary and Binary operators.
3. Define and explain the order of precedence of operators.
4. Why integer format specified is used?
5. Why Floating –point format specifies is used?
6. Why Character format specifies is used?

LONG QUESTIONS.
1. Why Floating –point format Specifies is used? Explain with examples.
2. Define and explain the order of precedence of operators.
3. Explain the use of increment and decrement operators in C with the help of example.
4. Explain the displaying of text, variables, constant and expressions using print f( ) function in C language ?

UNIT NO. 4.   CONDITIONAL CONGTROL STRUCTURE.

KNOWLEDGE BASED QUESTIONS. 30%
1. Define a control statement.
2. Define a conditional statement.
3. What is the advantages and limitation of switch statement?
4. What is the purpose and structure of if statement?

UNDERSTANDING BASED QUESTIONS.50%
1. What is the purpose and structure of If-else statement?
2. Uses of if-Else statement.
3. What is the purpose and Structure of if –else-if statement?
4. Use of if –else-if statement.

LONG QUESTIONS.
1. Explain the use of conditional operator is program.
2. What is the advantage and limitation of switch statement?
3. What is the purpose and structure of If-else-if statement? Explain with the help of example.

UNIT NO. 5   LOOP CONTROL STRUCTURE.

KNOWLEDGE BASED QUESTIONS. 30%
1. Highlight the functions of loops
2. Write a program to print numbers from 1 to 5 by using for ( ) loop.
3. Write a program to read a number and prints its table by using for ( ) loop.
4. Explain the concept of loop structure.
5. Differentiate between among all loop structures.
6. Explain the concept of a nested loop.

UNDERSTANDING BASED QUESTIONS. 50%

1. What do you know the for loop structure is composed of.
   a. For   b. Initialization expressions   c. Test expression
2. What do know about that while loop structure is composed of.
   a. While   b. Test expression
3. What do know that do while loop structure is composed of.
   a. While   b. Test expression   c. Statement terminator

LONG QUESTIONS.

1. What is loop? List essential elements of a loop. Why programmer might want to execute a loop.
2. Write a program to print numbers from 1 to 5 by using for ( ) loop.
3. Write a program to print the sum of odd numbers from 1 to 100 by using for ( ) loop.
4. Write a program to find the Greatest common Division of two numbers by using for ( ) loop.
5. Write a program to print ASCII table using while loop.

UNIT NO. 6   COMPUTER LOGIC AND GATES.

UNDERSTANDING BASED QUESTIONS.50%

1. Explain data representation in computer.
2. Define digital logic and logic gates.
3. Describe the properties of truth table.
4. Describe AND gate. Draw the truth table for AND gate.
5. Describe OR gate. Draw the truth table for OR gate.
6. What is Karnaugh Map?
7. Define digital logic and logic gates.
8. Explain a truth table.
9. Simplify two variable Boolean function/expression.

LONG QUESTIONS.

1. Explain the simplification of two –variable Boolean function using Kamaugh map.
2. Explain the conversion of Boolean function to logic circuit with the help of example.

UNIT NO. 7   WORLD WIDE WEB AND HTML

KNOWELDGE BASED QUESTIONS.30%

1. Define the following term a. Web Browser   b. URL   C. Web Hosting
2. Explain the following types of Web sites.   A. Informational   b. Educational   c. Business
3. Define Hypertext markup language (HTML)
4. Explain the steps involved to. a. Create and save an HTML file. B. Display a web page.
5. Identify the tags used to mark-up HTML elements.
6. Define a frame
7. Difference between a frame and a frameset.
8. Write create table in the webpage.

UNDERSTANDING BASED QUESTIONS. 50%

1. What is Worldwide Web?
2. Define Uniform Resource locator (URL) .Explain components.
3. What is home page in website?
4. What is the purpose of business websites?
5. Describe the creation of the first HTML document.
6. Identify the tags used to mork-up HTML elements.
7. Define the basics of text forming.
8. Create a Nested list in HTML document.
9. Describe the purpose of hyperlinks.
10. What is purpose of Anchor tags?
11. How you will create a hyperlink to a web page?

LONG QUESTIONS.

1. Create a definition list that defines local area and wide area network in HTML
2. Differentiate among unordered, ordered, definition and nested lists in HTML.
3. Write/ demonstrates the use of various text formatting tags in HTML document.