10th CLASS COMPUTER SCIENCE GUESS PAPER – 2022. **UNIT NO. 1- INTRODUCTION TO PROGRAMMING.**

MCO'S

Exercise - Page No. 18- Mcq's No. 1, 2,5,7,8.9

SHORT QUESTIONS.

- 1. What is computer program or Software?
- 2. What is meant by programming language?
- 3. Who developed C language?
- 4. What is meant by IDE?
- 5. What do you mean by IDE ha6. What is language translator? What do you mean by IDE has a graphical user interface.
- 7. What is compiler?
- 8. What is syntax error?
- 9. What is character set that is used in C language?
- 10. What is Constant?
- 11. Define integer, real and character constant.
- 12. What is a variable?
- 13. Difference between Variable and Constant.
- 14. Discuss the main parts of the structure of C language.
- 15. Difference between Character and int.

LONG OUESTIONS.

- 1. Difference between Variable and Constant.
- 2. Write a program that declares variables of appropriate data types to store the personal data about your best friend. Initialize these variables. With the following data.
 - Initial letter of his name
 - Initial letter of his gender
 - His age
 - His height
- 3. Discuss the main parts of the structure of a C program.



UNIT NO. 2: USER INTERACTION.

MCO'S

Exercise: PAGE NO. 45 – mcg's no.1, 2, 3, 6, 7, 8, 9

SHORT OUESTIONS.

- 1. What is relationship between a computer and programming language
- 2. What are input and output function.
- 3. What is the purpose of print f () function.
- 4. What is the purpose of scanf () function.
- 5. Difference between getch() and scanf()
- 6. What is the list of some basic operator types?
- 7. What are arithmetic operators?
- 8. Define multiplication operator.
- 9. Define addition operator.
- 10. What are relational operators?
- 11. What are logical operators?
- 12. What is AND logical operator?
- 13. What is OR logical operator?
- 14. What is NOT operator?
- 15. Difference between Unary and Binary Operators.
- 16. Define is short circulating?

LONG OUESTIONS.

- 1. What is difference between scanf and getch?
- 2. Which function of C language is used to display output on screen?
- 3. Different between Unary operators and binary operators.
- 4. What is difference between Equal to operator (==) operator and = operator?
- 5. Write a program that takes Celsius temperature as input, coverts the temperature into Fahrenheit and show the output. Formula for conversion of temperature from Celsius to Fahrenheit is .

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- 6. Write a program takes a 5 digit number as input, calculates and display the sum of first and last digit of number.
- 7. Write a program that takes radius of a circle as input. The program should calculate and display Z).COM the area of circle.
- 8. What are logical operators? Explain its types.

UNIT NO. 3: CONDITIONAL LOGIC.

MCO'S

Exercise: PAGE NO. 70 - Mcg's no. 1, 2,5, 6.

SHORT OUESTIONS.

- 1. Define Control Statement.
- 2. Define Selection Statement.
- 3. Difference between sequential and selection statements.
- 4. Difference between if statement and if else statement with an example.
- 5. What is repetition control statements?
- 6. Define if statement with syntax.
- 7. Where we need { } block when we use if statement.
- 8. Define of if-else statement with syntax.
- 9. What is if-else-if statement?
- 10. What is nested selection structure?
- 11. Write a program to display the input number is even or odd.
- 12. Draw a flowchart to show the structure of if-else statement.

LONG OUESTIONS.

- 1. What is the use of nested selection structures?
- 2. Write a program in C language that takes two numbers and finds large number.
- 3. Write a program to find smallest number of given two numbers.

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- 4. Write a program that displays larger one out of three given numbers.
- 5. Write a program that takes two integers as input and tells whether first one is a factor of second one.

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Exercise: PAGE NO. 97 Mcq's no. 1, 2,3,6,7.8.10

SHORT OUESTION.

- 1. What is data structure? And why we need data structure.
- 2. What is an Array?
- 3. How we can declared an array?
- 4. What is index or subscript?
- 5. What is loop structure?
- 6. What is Iteration?
- 7. Define for loop.
- 8. What is general structure of nested loop?
- 9. What is nested loop? And why we use nested loop?
- 10. What are uses of loop in an array?

LONG OUESTIONS.

- 1. What is the use of nested loops?
- 2. Describe the structure of a for loop.
- 3. How can you declare an array? Briefly describe the three parts of array declaration.

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UNIT NO. 5 **FUNCTIONS.**

MCO'S

Exercise: PAGE NO. 113 - Mcg's No. 1, 2,

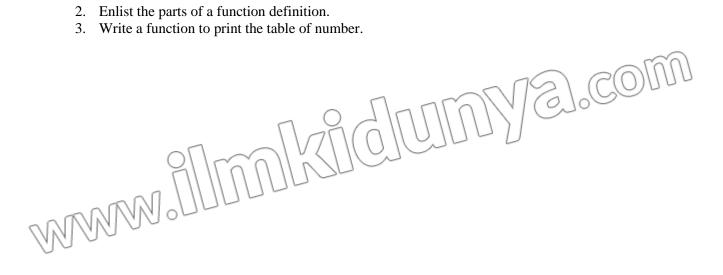
SHORT OUESTIONS.

- 1. What is Function?
- 2. What are built in functions?
- 3. Define User defined function.
- 4. Define Reusability.
- 5. What is return statement?
- 6. Define Input and Output of a function.
- 7. What are parameters?8. Define function definition.
- 9. What is function header?
- 10. Difference between arguments and parameters?
- 11. What do you mean by parameter of function?
- 12. What is the difference between function prototypes?
- 13. What is function calling?
- 14. Describe function body.

LONG OUESTIONS.

1. What is difference between arguments and parameters? Give an example.

- Enlist the parts of a function definition.



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