

Computer Science (New)

10th (Fresh/Reappear)

۱۔ ہر سوال کے سامنے چار دائرے دیئے گئے ہیں، صرف صحیح جواب والا دائرہ بھریں۔

۲۔ دائروں کو شیڈ (بھرنے) کے لیے نیلے یا کالے رنگ کا مارکر استعمال کریں۔

۳۔ جواب میں ایک سے زائد دائرے بھرنے سے جواب غلط تصور ہو گا۔

Time: 15 Minutes

SECTION-A

Marks: 10

Q1: Choose the correct option i.e, A,B,C or D?

- _____ is a diagrammatic or symbolic representation of algorithm
☐ Problem ☐ Program ☒ Flowchart ☐ None
- A _____ symbol represents process.
☐ Parallelogram ☒ Rectangle
☐ Oval ☐ Diamond
- Java, and Python are examples of _____ language.
☒ High Level ☐ Game Level
☐ Low Level ☐ Medium Level
- The environment where we can type, debug, compile and run our code is called _____.
☒ IDE ☐ Linked Code
☐ Object Code ☐ Editor
- Which of the given are used in C++ for input and output?
☐ printf/scanf ☐ getch/puts
☒ cin/cout ☐ All these
- Case and break are used in _____ statement?
☐ if-else ☒ switch() ☐ for ☐ printf()
- When we know no. of times we want our for code to repeat we use _____ loop.
☒ for ☐ do-while ☐ While ☐ None
- Which of the given is not used for decision making in C-language?
☐ if-else ☐ switch ☒ for ☐ None
- _____ gate is used to convert false into true or true into false.
☐ OR ☐ AND ☒ Not ☐ XOR
- www stands for _____.
☒ world wide web ☐ Wrestling world wide
☐ world wide wars-957 ☐ None of these

11. Which of the given tag is used to insert a break in the line in HTML?
☐ ☒
 ☐ <video> ☐ None

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Note: Time allowed for Section-B & Section-C is 2:15 hours.

SECTION-B

Marks: 28

Q2: Attempt any SIX parts. Each part carries FOUR marks.

1. What is the difference between personal website and business website?
2. Define XOR gate with diagram and truth table.
3. Why while loop can run 0 no. of time but do-while will always run at least one no. of time? Explain.
4. Why, "if" statement is different from "if-else" statement? Explain.
5. Why do we use = and == operators?
6. Define arithmetic operators.
7. Create a flowchart for taking three integers as input and finding their sum and printing the result on the screen.
8. Differentiate between syntax and semantics in programming language.
9. Write an algorithm that reads the temperature in Celsius and converts it into Fahrenheit and print the result on screen?

SECTION-C

Marks: 16

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

- Q3: What are operators? Explain different types of operators with examples.
- Q4: Write a program in C that takes salary of an employee as input and then calculates 10% raise for given salary and then prints the result on the screen.
- Q5: Explain different data types used in C-language with examples.