



ALLAMA MUHAMMAD IQBAL EDUCATIONAL COMPLEX

Gulshan-e-Iqbal, Sitara Colony, Near Fawara Chowk College road Faisalabad

Contact No: (+92) 041- 2402201

E-mail: amiecfds64@gmail.com

Class 10th Chapter 3 computer science

Marks: (34)

Q. no.1: Choose correct option from following.

(10)

1. We can control flow of execution of programs through _____
☐ Control statement ☐ Control string ☐ Relational statement ☐ None
- 2- A condition can be any:
☐ Arithmetic, relational or logical ☐ logical
☐ Relational ☐ arithmetic
- 3- A set of multiple instructions enclosed in braces is called a block or _____
☐ if ☐ if-else ☐ while ☐ compound
- 4- If statement is used within another if statement is called: _____
☐ Nested-if ☐ simple if ☐ many-to-many ☐ None
- 5- _____ helps in description of flow of execution of program statements:
☐ Loop ☐ conditional ☐ control ☐ All
- 6- Which of following condition checks if a is factor of c?
☐ $a\%c==0$ ☐ $c\%a==0$ ☐ $a*c==0$ ☐ $a+c==0$
- 7- $a = 5, b=4$;
if($a \leq b$) { printf("This is correct"); }
else { printf("This is not correct"); }
Which of following will be run?
☐ This is correct ☐ This is not correct ☐ All ☐ None
- 8- Which of the following operator has the highest precedence?
☐ * ☐ + ☐ = ☐ ==
- 9- Which format specifier is used to print or read a floating-point value??
☐ %f ☐ %c ☐ %d ☐ %e
- 10- Which character terminates a C statement?
☐ colon ☐ comma ☐ semicolon ☐ period

Q. no.2: Give short answers of following (Any four)

(8)

- 1- Why do we need selection statement?
- 2- Differentiate between if and if-else statement.
- 3- Write brief description of if statement with structure.
- 4- What are selection statement? Also write name of them.
- 5- Draw flowchart of if statement.
- 6- Eliminate errors from following.

```
If( a<b & b<c); { printf("good"); }
```



ALLAMA MUHAMMAD IQBAL EDUCATIONAL COMPLEX

Gulshan-e-Iqbal, Sitara Colony, Near Fawara Chowk College road Faisalabad

Contact No: (+92) 041- 2402201

E-mail: amiecfsd64@gmail.com

Q. no.3: Give short answers of following (Any four)

(8)

- 1- What is the use of control structure?
- 2- Differentiate between sequential and selection statement.
- 3- Trace output of following code

```
If( 4<3 || 3<1) {  
    printf("A++");  
}  
else{  
    printf("A--");  
}
```

- 4- Define condition with one example.
- 5- Define conditional logic.
- 6- Eliminate error from following.

```
If (4-4){  
    printf("Hello world")  
}  
else {  
}
```

Q. no.4: Give short answers of following (Any four)

(8)

- 1- Write a program that prints **Pass** if **marks > 33** otherwise prints **Fail**.
- 2- Define block / compound statement.
- 3- Write the structure of if-else statement.
- 4- Give an example program of if statement.
- 5- Trace out error from following.

```
if(4%2 == 0)  
    printf("Hello world!");  
    printf("This is new line.");
```

else

```
printf("No condition true.");
```

- 6- Write names of Control statement types.