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**Iqra National University Peshawar Pakistan**

**Department of Computer Science**

Sumer Semester, Final Term Exam, September 2020

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| Paper : | **Programming Fundamentals** | Date and Starting Time: | **29/September/2020, 9:00 am** |
| Program: | **BS (CS & SE)** | Uploading Date and End Time: | **29/September/2020, 3:00 pm** |
| Teacher Name: | **Dr. Fazal-e-Malik** | Marks | **50** |

**Note: Attempt all Questions. Help can be taken from internet where ever is required.**

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| Q.1 |  |  |  |
|  |  | What is the purpose of ***if statement***? Discuss its two different forms with examples. | **5** |
|  |  | Write a C++ program to read two numbers from keyboard and then find the LARGEST number of them. | **5** |
|  |  |  |  |
| Q.2 | a) | What are the Logical Operators? Explain them | **5** |
|  | b) | Write a C++ program to get Temperature in Fahrenheit ***F*** and then find the Atmosphere according to the below rules:* If temperature ***F*** is above 40 degree Fahrenheit then display…………………..Very Hot.
* If temperature ***F*** is between 35 & 40 degree Fahrenheit then display………Tolerable.
* If temperature ***F*** is between 30 & 35 degree Fahrenheit then display………Warm.
* If temperature ***F*** is less than 30 degree Fahrenheit then display………….……Cool.
 | **5** |
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| Q.3 |  | What does ***Looping*** mean? Explain different loops in C++.  | **5** |
|  |  | Write a C++ program to read a number from keyboard and then determine whether it is ***Even or Odd*** number? | **5** |
|  |  |  |  |
| Q.4 |  | What is the purpose of using ***break and continue statements***? | **5** |
|  |  | Write a C++ program to find the sum of the following numbers:**1+2+3+………+10** | **5** |
|  |  |  |  |
| Q.5 |  | Expain the the following with proper examples1. C++ Character set
2. Constants
3. Variables
4. Keywords
5. Relational Operators
 | **10** |
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***Note:***

1. ***I have already uploaded a 20 Marks assignment. If a student does not upload then he/she will get Zero marks out of 20***
2. ***Write the answers in MS Word or hand written in scanned PDF Form in one documents and do not send in Zip Form***
3. ***Please write your Name and ID on top of your answer Paper otherwise you will get zero marks.***