



Quiz 1

Programming I (CPCS 202)

Instructor: M. G. Abbas Malik

Student Name: _____

Date: Saturday September 24, 2013

Student ID: _____

Total Marks: **20**

Obtained Marks: _____

Instructions:

- Do not open this exam booklet until you are directed to do so.
- This exam will end in **Half Hour (20 Mins)**.
- Write your full name and Student registration No. clearly on the first page.
- When the exam is started, write your complete Student Registration No. clearly on the top of ***EVERY*** page.
- Write your solution in the space provided. If you need more space, write on the back of the sheet containing the problem. If still you need more space then you can use extra sheets. In the case of extra sheet, clearly mention the question number whose answer you are giving and your student registration number on the extra sheet.
- Plan your time wisely. Do not spend too much time on any one problem. Read through all of them first and attack them in order that allows you to make the most progress.
- Show your work, as partial credit will be given. You will be graded not only on the correctness of your answer, but also on the clarity and method correctness with which you express your answer.

Good luck.



Student ID: _____

Question 1: Fill in the blanks

(20)

a) What is Machine Code?

(2)

Machine code is an instruction in binary language that our computer can understand. Machine code consists of two parts (1) operation code (function to perform) (2) operands (on which the function will be performed)

b) Computer can only understand the **binary language** language.

(1)

c) Human can understand the **natural** language.

(1)

d) What is a Register?

(2)

It is a small memory area in the processor to store information temporarily.

e) What is the main difference between RAM and Hard Disk?

(4)

RAM is a temporary storage place and is the working memory of the computer.

Hard disk is a permanent storage place and it is a large memory.



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f) Consider the following memory area:

	0	1	2	3	4	5	6	7	8	9
0										
1										
2										
3				A						
4						*				
5										
6		54					13			
7					156					
8				Z						
9										

Note that if a memory area (byte) is empty then the value there is NULL

Answer the following Question.

1. What is the value at address '33'? A (1)
 2. What is the value at address '45'? * (1)
 3. What is the value at address '67'? 13 (1)
 4. Write the value 'Z' at the address '83'? (1)
 5. Write the number 156 at the address '74'? (1)
- g) What is the purpose of a COMPILER? (2)
Compiler is a software that translate our programing codes into the binary language or machine code.
- h) What do you mean by the BOOT Process? (3)
BOOT process is a process in which we load the operating system in the RAM and start our computer.