



Final Exam

Introduction to Computer

Computer and Syst. Dept.
Time Allowed: 2 hrs.
Preparatory Students.
2009 – 2010

Solve as you can:

- يرجى اجابة كل سؤال منفضل عن بقية الاسئلة
- يسمح باستخدام القلم الرصاص (شرط وضوح الخط).
- الامتحان في ورقتين

Question 1:

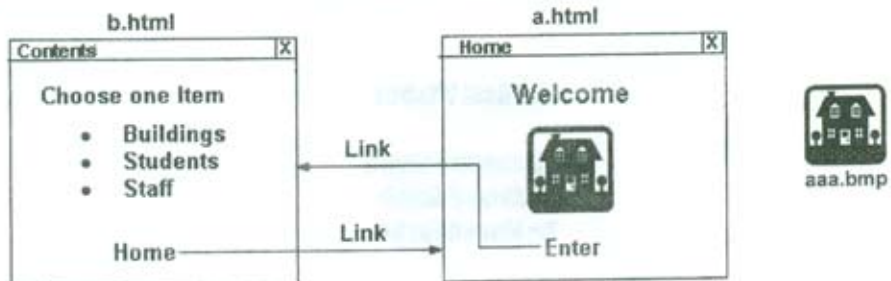
- Define the term "Computer", then discuss the different types of computers?
- (2) Discuss briefly باختصار the different types of programming languages?
- (3) Compare between compilers and interpreters?
- (4) Define computer networks, then:
 - What are the different network benefits.
 - Classify computer network according to scale.
 - Compare between peer to peer and server based networks
- (5) Draw a chart showing all contents of computer system.
- (6) Define the following: RAM – ROM – Cache Memory.
- (7) Draw a block diagram showing the computer internal structure.

Question 2:

I. Draw Flow charts for the following:

- Calculate the area of a rectangle
- Input two numbers then determine if the first number is divisible by the second or not
- Draw the flowchart to input a number then print "hi" if the number is divisible by 5 but not divisible by 3
- Draw the flowchart to find the sum of even numbers الأرقام الزوجية between 1 and 100
- Draw the flowchart to the factorial of 5
- Draw the flowchart to find the maximum number in a set of N numbers

II. Write the HTML code for the following web pages:



اقرب الصفحة



Question 3

I. What is the output when the following code is executed?

(a)

```
Dim x,y,z as integer
X=10
Y=20
Z=x+y
If x>y then Console.WriteLine("Result is" & Z)
Console.WriteLine("Good Bye")
```

(b)

```
Dim x,y,z as integer
X=10
Y=20
If x<=y then
Z=x+y
Else
Z=x-y
End if
Console.WriteLine("Result is" & Z)
```

II. (10) Write Visual basic programs to:

- Calculate the average of 3 numbers
- Enter two numbers then print the sum if the two numbers are greater than 100.
- Enter the name and the degrees of the student in three subjects, and then print the grade (pass, good, v. good, excellent). (Assuming the maximum degree for each subject=100)
- Enter the worker type and his work hours, then calculate the salary according to the following table:

Type	Hour price	Tax	Over
1	10	5%	100\$
2	20	10%	200\$
3	30	15%	300\$

- Enter the worker work hours and hour price, then calculate his net salary and extra money according to the following rule: "If work hours exceed 60 hours, then each hour over the first 60 hour have price=(1.5*hour price)". Use the if ...else statement.

----- End Of Questions -----

With Best Wishes

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**PLZ, send your comments about the exam to:
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