Birzeit University
Faculty of Information Technology
Computer Science Department

COMP121 MIDTERM EXAM

Exam Date: 26-3-2013
Exam Time: 80 Minutes

Midterm Exam
Spring- 2012-2013

Student Name: ..Christine Ghassan khbais......

Student Number: ..1120264......

Section Number: ....

Please Select Your Teacher					
Ola	☐	Laila	☐	Asma	☐
Dima	☑	Maram	☐	Abdullah	☐

Question	Mark
1	54
2	32
Total	86

Birzeit University
Faculty of Information Technology
Computer Science Department

Comp121 Midterm Exam

Donya Bader

Exam Date: November 11, 2012   Midterm Exam
Exam Time: 80 Minutes   Fall- 2012-2013

Student Name: ...Donya Bader...

Student Number: ...1122040..

Section Number: ...22...

Please Select Your Teacher						
Fakhri	☐	Maram	☐	Abdullah	☐	Dima ☑
Ola	☐	Laila	☐	Asma	☐	

Question	Mark
1	~~35~~ 37.5
2	44
Total	~~77~~ 81.5

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) Which technological advancement (التطور التكنولوجي) made it possible for computers to become as small as they are today?

A) Vacuum tube   B) repeater   C) transistor   D) silicon chip

2) The main difference between RAM and ROM

A) RAM contains the data about the system while ROM contains the data about the current active application.

B) RAM has volatile(متطايرة) data while ROM has permanent (ثابتة)data.

C) ROM has volatile data while RAM has permanent data.

D) none of the above.

3) Number 9 is represented in memory as

A) 1001.   B) 1000   C) 1010   D) 1011.

4) Typically,_____ are constructed out of thousands of microprocessors.

A) Supercomputers   B) Laptops   C) Personal computers   D) Mainframe computers

5) Information travels between components on the motherboard through_____

A) CMOS   B) CPU.   C) System clock   D) System buses.

6) What is a computer that provides software and other resources to computers over a network?

A) server   B) calculator   C) workstation   D) supercomputer

7) When newer processors can process all of the instructions handled by earlier models, the processor (CPU) is considered:

A) Fast   B) slow   C) forward compatible   D) backward compatible

2

8) Which of the following connect the units on the mother board

A. ports ماذه (B) busses

(C) modem   D. peripherals

9) The computer that provides other computers connected to the network with access to data, programs, or other resources:

A. Workstation
B. laptop
(C) server
D. none of the above

10) When you are working on an unsaved document on a PC, where is the document temporarily stored?

ماذه يعني (A) RAM   (B) ROM

C. The CPU   D. Hard disk

11) Which of the following is both an input and an output device

قارئ (A) A bar-cod reader   B. Scanner ماسح

(C) Sensor   D. screen شاشه

تمهيد
12) The program that is responsible of booting process is stored at

يعني ماذه (A) ROM   (B) RAM

C. Hard disk   D. Flash Memory

13) CPU in the same family are generally designed to be

A. Forward compatible   (B) Backward compatible

C. Nom compatible   D. None of the above

14) All of the following are types of optical disk except

A) CD   B) DVD
(C) MFD   D) BD

3

15) All of the following are true regards ASCII code except(عدا ما)

   A) Stands for American Standard Code for Information Interchange.
   B) Each character is a unique 8 bits code.
   C) Supports 256 unique codes for 26 letters, 10 digits, and special characters.
   D) Supports more than 100,000 unique characters. ✓

16) The word size of a typical PC's CPU is

   A) 8 or 16 bits.   B) 32 or 64 bytes.   C) 1 or 2 bytes.   D) 32 or 64 bits.

17) _____ can interpret (يفسر و يحول) voice data into words that can be understood by the computer.

   A) Speech input hardware   B) Word recognition software
   C) Speech recognition software   D) Talking software

18) These are considered as devices allow computers to read marks that represent codes except:

   A) RFID   B) Optical mark.   C) Bar code readers.   D) Printers.

19) The higher the resolution of a monitor, the

   A) further apart the pixels.   B) less clear the screen is.
   C) larger the pixels.   D) closer together the pixels.

20) Unlike optical storage, magnetic tape is

   A) written with a laser beam.   B) random.   C) laser read.   D) sequential

4

Please put all of your above answers here:

Question #	Answer
1.	D
2.	B
3.	B
4.	C
5.	A
6.	B
7.	B
8.	B
9.	C
10.	B
11.	C
12.	B
13.	B
14.	C
15.	B
16.	C
17.	B
18.	C
19.	B
20.	C

5

Question Two (50 Marks)

1. Differentiate between فرق بين (8 marks)
   Primary Storage and **Secondary Storage**
   And give example on each one

   ③

   Primary Storage ~~Havedtriel~~ harddisc   تأخذ الى وحدة المعالج
   المركزية لأخذ المعلومات أو

   Secondary Storag; ((Ram , flash memory   تأخذ الى وحدة المعالجة
   المركزية لأخذ المعلومات تأتينا به الـ
   Primary storage

2. List 4 different types of ports, and state the purpose of using ports. (10 marks)

   — USB ports ✓   @ Ports is a perefirals to connect
                            devices to computer (cpu)
   — speakers ports ✓

   — Keyboard ports ✓
   — monitor ports ✓   ⑩
   — mouse port

3. What are added values (القيمة المضافة) of the integrated circuits over the transistors
   and the vacuum tubes?
   (8 marks)
                                ⑧
                        أقل حركة في المشكلة
   — Reliability ; less prone to failures
   — Efeciency; silion chips needs less electricity and produce less
                heat
   — Cost ; ~~late~~ less cost
   — Size ; Single chips could replace intier boards

6

4. Differentiate between:
Special purpose computer(embedded) and general purpose computer and give an
example on each one? (8 marks)

the Special purpose computers has one or few metions
like haert rate computers and the homes security

the general computers share a lot very processing and metions like
PCs = Laptop , workstations

الأجهزة الخاصة تستخدم في عمليات واحده او قليله مثل اجهزة مراقبة الأطراف الرياضيه
اما الأجهزة العامه في عمل كثير من عمليات
اجهزة الكمبيوتر المحمول الشخصيه

5. CPUs in the same family are backward compatible what do we mean by backward
compatible? (8 marks)

that means the newest CPU can runs all the earlier versions
of CPUs and ten read it

هذا يعني احدث الأجهزه CPU تستطيع تشغل كل الأجهزه القديمه CPUs تقوم

6. Order the following devices from fastest to slowest
Hard disk, Ram, CD-ROM, Magnetic tape (8 marks)

1. Magnatic tape
2. Ram
3.
4. CD-Rom

1. Ram
2. Magnatic tape
3. Hard disk
4. CD-ROM

1. Magnatic tape
2. Hard disk
3. Ram
4. CD-Rom

Ram , hard-disk — CD-Rom — magnatic
tape

0.015

Good Luck

7