**EXERCISE 2**

(1)Which of the following is the function of an operating system?

(a)Hardware management

(b)File management

(c)Task scheduling

(d)Memory management

(e)Above all

(2)Which of the following is an open source operating system?

(a)Linux   
(b)Palm OS   
(c)EPOS   
(d)Windows Mobile

(3)In a multi-user OS environment, which of the following is allowable for a normal user account?

(a)Execute computer system shut down.  
(b)Access other users account.  
(c)Create a new user account.   
(d)Change password.

(4)Which of the following operating systems is commonly used in constructing websites because of its stable characteristic and its free of charge?

(a)Linux   
(b)Mac OS X  
(c)MS - DOS   
(d)Windows XP

(5)What’s the file system structure in the Windows XP?

(a)Tree   
(b)Mesh

(c)Ring   
(d)Link

(6)Firmware that contains a computer's startup instructions:

(a)POST  
(b)BIOS  
(c)CMOS  
(d)DOS  
(e)DIOS

(7)A computer system that is able to manage multiple processors to perform tasks at the same time is said?

(a)RISC  
(b)Parallel processing  
(c)CISC  
(d)Batch processing

(8)Which of the followings are NOT functions of a compiler?

(i)Check logical error.  
(ii)Correct logical error.  
(iii)Check syntax error.

(iv)Correct syntax error.

Answer:

(a) (i) and (ii)  
(b) (iii) and (iv)  
(c) (i) and (iii)  
(d) (ii) and (iv)

(e) (ii) and (iii)

(f) (i) and (iv)

(9)\_\_\_\_\_\_\_\_\_\_ supervises and manages the activity of each component in a computer system.

(a)An operating system  
(b)Hardware  
(c)A queue  
(d)An application program  
(e)An anti-viruses program

(10)Given a recursion program(遞迴程式) as follows:

f(n)=f(n-2)+f(n-1);

f(0)=f(1)=1.

What is the result of f(5)?

(a)3  
(b)5  
(c)8  
(d)13

(11)Which of the following is NOT a function of an operating system?

(a)Program interrupt.  
(b)Reallocate system resources.  
(c)Document processing.   
(d)Control hardware devices

(12)Which of the following statement about IP Address/Port is NOT correct?

(a)IP address is the unique identification on a computer that is connecting to

the Internet.

(b)IP address are the input/output locations of a computer where messages

should send in or out.

(c)If an IP address is analogy to a country, then the Port addresses will be

analogy to the ports of that country.

(d) They are all correct.

(13)Which of the following is a function of operating system?

(a)Manage and maintain file system.

(b)Provide operating interface for users.

(c)Manage hardware devices.  
(d)Above all.

(14)Which of the following is NOT an operating system？

(a)MS-DOS  
(b)Palm OS  
(c)Visual C++   
(d)Linux

(15)The data structure that can speed up searching processes is called

(a)Sort  
(b) Index  
(c) Queue  
(d) Array

(16)

Systems Software(Set of programs that coordinates activities and functions of the hardware and various other programs)

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Application Software(Programs that help users solve particular computing problems)

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(a)MS Office (b )Linux (c)Web Server (d)FTP Server

(e)Window XP (f)SUN Solaris(g)Email (h)Unix

(17) What is the definition of “multitasking” ?

(a)A processing activity that allows a user or multiple users to run more than one applications at the same time.

(b)A processing activity that is basically multitasking within a single application

(c)A method to control multiple processes running in a computer system

(d) None of above

(18)Which of the following combination is wrong?

(a)Machine Language--The first generation programming language

(b)Assembly Language--Replaced binary digits with symbols programmers could

more easily understand.

(c)High Level Languages--Languages that allow interaction of programming

objects, including data elements and the actions that will be performed on

them.

(d)Query Languages--Used to ask the computer questions in English-like

sentences.

(19)Which of the following network topology (topologies) is (are) truly distributive, i.e. the network is still in proper operation even if one computer is down?

(i)Ring

(ii)Bus

(iii)Star

Answer:

(a) (i) and (iii) only

(b) (i) and (ii) only

(c) (ii) and (iii) only

(d) All of them

(20)What’s the advantage of client/server connection?

(a)Complex multi-vendor environment

(b)Loss of control

(c)Increased cost potential

(d)Improved Performance