國立彰化師範大學 101 學年度碩士班招生考試試題

系所: <u>資訊管理學系數位內容科技與管理碩士班</u> 科目: <u>計算機概論</u>

☆☆請在答案卷上作答☆☆

共2頁,第1頁

_	、單選題(共 10 題, 每題 3%, 共 30%)		
1.	is a system that perceives its environment, learns from it, and interacts with it intelligently.		
	(A) Android (B) Window 7 (C) iPad (D) An intelligent agent (E) Multi-touch		
2.	is a cross-platform language for structuring and presenting content for the World Wide		
	Web on Window, Android, and iOS.		
	(A) C++ (B) XML (C) HTML 5 (D) Flash (E) ASP		
3.	A register in a CPU can hold		
	(A) instructions (B) data (C) program counter values (D) all of the above		
4.	The layer of the TCP/IP protocol suite is responsible for the logical delivery of a		
	message between client and server processes.		
	(A) application (B) session (C) transport (D) data-link (E) physical		
5.	Three types of topologies are specified for LANs. Which of the following is NOT among them?		
	(A) ring (B) point-to-point (C) star (D) bus (E) none of the above		
6.	Cinemagraph are still photographs, which are usually published in an animated format, can		
	give the illusion of the viewer is watching a video.		
	(A) JPEG (B) PNG (C) BMP (D) GIF (E) none of the above		
7.	The prefix notion of $(2+3)*4+5$ is		
	(A) $+*4+235$ (B) $+5*423+$ (C) $23+4*5+$ (D) $*4+23+5$ (E) none of the above		
8.	is a pictorial representation of an algorithm.		
	(A) XML (B) UML (C) HTML (D) PHP (E) all of the above		
9. Which of the followings is not one of the characteristics of object-oriented languages?			
	(A) encapsulation (B) inheritance		
	(C) polymorphism (D) cloud computing (E) none of the above		
10. Public-key algorithm is a kind of algorithms and it can guarantee integrity,, and privacy.			
	(A) symmetric, authentication (B) asymmetric, authentication		
	(C) symmetric, authorization (D) asymmetric, authorization (E) none of the above		
二、填空題 (共 6 題, 每題 5%, 共 30%)			
1. The computer industry used the term "" to define information that contains text, images, audio,			
ä	animation and video.		
2. There are bytes in 32 Terabytes.			
3. ALU (in Computer) stands for Unit.			
4. RFID (in Computer Network) stands for Identification.			
5. SaaS (Cloud Computing) stands for as a			
6. I	6. UML (in computer language for software development) stands for Language.		

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共2頁,第2頁

三、Problems (40%)			
1. An integer $A = (C9)_{16}$ is stored in two's complement. (10%)			
Compute			
A = ()2		
-A = ()2		
2. Write down the running result of the following Java program.			
player index: (10%)			
distance: (10%)			
public class CrazyMath {			
<pre>public static int getPlayerIndex(byte first){</pre>			
return first & 0X07;			
}			
<pre>public static int getDistance(byte first,byte second){</pre>			
return (int) (first second << 8);			
}			
<pre>public static void main(String[] args) {</pre>			
byte first = $0X15$;			
byte second = $0X04$;			
System.out.println("player index:"+ getPlayerIndex(first));			
System.out.println("distance:"+ getDistance(first,second));			
}			
}			
3. A "thin" client is a computing device functions as a virtual desktop, using the computing power residing on networked servers. Write down three advantages of adopting thin clients in cloud computing environment. (10%)			