

N.B THE ANSWERS ARE IN THE LAST PAGE**C++**

1. Which one of the following is true about computer arranged by ascending order based on size?
 A, supper computer -> mainframe computer -> minicomputer -> micro computer
 B, general purpose -> super -> mainframe -> mini
 C, micro -> mini -> mainframe -> supper
 D, mini -> micro -> mainframe -> supper computer
2. _____ is a computer program that translate a series statement written in a source code in to object code.
 A, assembler B, compiler C, interpreters D, editor
3. _____ is a collection of one or more variable types grouped together that can be referred using a single name
 A, pointer B, function C, structure D, array
4. Which one of the following that affect the function value during calling function?
 A, address by value B, address by reference
 C, address by value and reference D, all
5. Which function is fast and efficient during execution time
 A, recursive function B, inline function
 C, overloading function D, Default function
6. #include <iostream.h>
 Using namespace std;
 Int main(){
 Int x= {12,9,4,7,23};
 For(int i=1; i<=5 ; i++){
 If(x[i]%2==0){
 Continue;
 }
 Cout<<x[i];
 }
 Cout<<"end";
 }

What will be the output of this code

A, 12, 9, 7, end

C, 12, 4, end

B, 9, 7, 23, end

D, 12, 9, 4, 7, 23, end

7. Answer operating system

DIGITAL LOGIC DESIGN

1. Express the number 8 and -47 in 2's complement form
2. Which one of the following is the function of flip flop
A, counter B, data register C, frictional division D, all
3. _____ is the logical circuit whose output at any instant of time depends on the present inputs as well as on the past output
A, combinational circuits B, logic gates C, sequential circuits D, all
4. Convert the number 1011011 from gray to binary
5. Simplify the expression $A'B'C' + A'BC' + ABC' + AB'C'$
A, $A'B'C'$ B, C' C, B' D, $B'C'$
6. Which one of the following gate is universal gate
A, XOR B, XNOR C, NOR D, OR
7. Which one of the following is correct about the diagram shown below

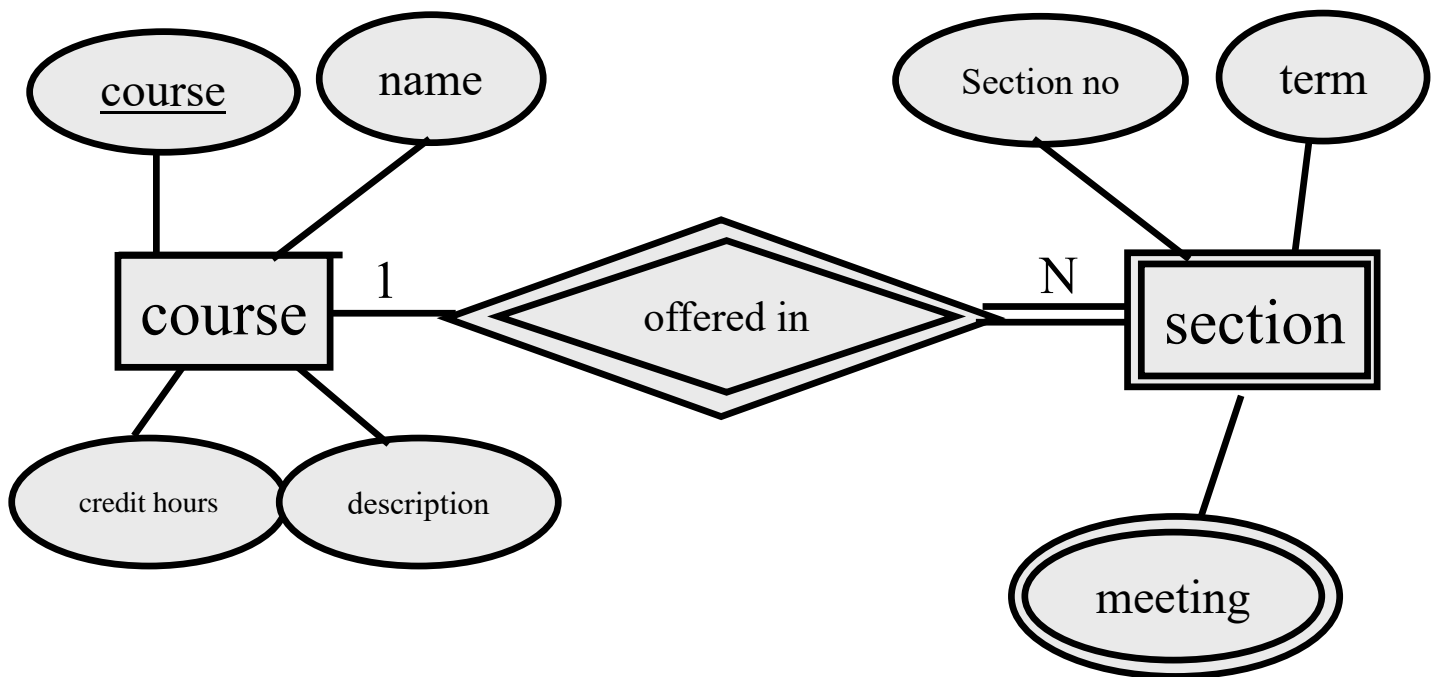
A, 12-synchronous B, 10-Asynchronous C, 12-Asynchronous D, 10-synchronous

DATABASE MANAGEMENT SYSTEM (DBMS)

1. _____ is the process of identifying the logical designed method which reduce closed flow associations between data items and designing a database that will represent such associations but without suffering the update anomalies
A, denormalization B, physical design C, normalization D, B and C
2. Which one of the following is not valid ER to relational mapping algorithm
A, mapping of weak entity type
B, mapping of binary 1:1 relation types
C, mapping of derived attributes
D, mapping of multivalued attributes
E, mapping of binary 1:N relation types
3. Which one is not the security level of database security
A, the operating system may serve as another means of unauthorized access

- B, user must be authorized carefully to reduce the chance of a user giving access to an intruder
- C, computer system must be physically secured against entry by intruders or terrorists
- D, none

4.



How many tables are formed from the above

- A, 1 B, 2 C, 3 D, 4
5. "Offered in" in the above represent
A, entity B, identifying relation C, attributes D, all
6. One of the following is not the drawback of file processing
A, data mapping and access B, data redundancy C, security problem D, data in consistency E, none
7. _____ having several components in the value

A, multivalued attribute B, composite attributes C, simple attributes D, driven attributes

8. Those who design and develop the dbms software and related tools and the computer system operator are called
A, actors on the scene B, workers behind the scene C, database administrator D, end user

Computer architecture and organization

1. One is not the components of CPU
A, register B, RAM C, control unit D, ALU
2. When we use RAM the contents lose when _____
A, power off B, read by the memory C, new data written D, A and C E, A B & C
3. Cache memory is between _____ and _____
A, RAM and CPU B, RAM and ROM C, secondary memory and RAM D, secondary memory and HDD
4. Distinct features of SRAM to DRAM
A, SRAM larger than DRAM in size
B, SRAM lowest cost DRAM high cost per bit
C, SRAM low speed DRAM high speed
D, SRAM faster DRAM slower
5. _____ specifies the operation to be performed specified by the binary code
A, instruction code B, operation C, source operand D, destination operand
6. _____ is an interface that moves the data between the computer and its external environment
A, bus interface B, I/O interface C, main memory D, CPU interconnection
7. When power on the computer the bootstrap program is stored in _____
A, RAM B, ROM C, CPU D, secondary storage

MICRO-PROCESSOR AND INTERFACING

1. SS stands for A, single segment B, roll segment C, stack segment D, code segment
2. Which one of the following is control flag

- A, SF,ZF,OF B, SF,TF,OF C, OF,AF,TF D, TF,DF,IF
3. Negative numbers in computer system represented by
A, sign magnitude B, 1's complement C, 2's complement D, none
 4. 8086 memory capacity is _____
A, 64 KB B, 16 bit C, 1MB D, 64 MB
 5. Which one is the difference between 8086 and 8088 microprocessor
A, 8086 has 4 byte instruction queue and 8088 has 6 byte instruction queue
B, 8086 run on 8088 microprocessor
C, 8086 has 8 bit data bus and 8088 has 16 bit data bus
D, 8086 has 6 byte instruction queue and 8088 has 4 byte instruction queue
 6. Assembly language is _____
A, use alphabetic code instead of binary number
B, it is easy to write
C, there is no translate between assembly language and machine code
D, none
 7. 16 bit flag in microprocessor represents
A, ALU operation perform
B,
C,
D,
 8. Calculate the physical address of 2222:0016
Solution $PA = SEG \times 10 + OFFSET$
Segment=2222 offset= 0016
 $PA = 2222 \times 10 + 0016$
 $PA = 22236$
 9. The two independent unit of in 8086 microprocessor
A, ALU and BIU B, BIU and EU C, ALU and CU D, None
 10. What is the data bus of 8086 microprocessor
A, 32 bit B, 8 bit C, 16 bit D, 4 byte

INTERNET PROGRAMMING

1. Which one is called a single html document
A, webpage B, website C, A and B D, None
2. Id selector uses ____
A, dot(.) B, hash(#) C, astrix(*) D, all

3. H1,H2,P{color: #36c} this express
A, normal selector B, group selector C, id selector D, universal selector
4. _____ is used for form handling, file processing and data bus access
A, html B, javascript C, php D, css
5. In ____ function there is problem to loading a file and the function will generate warning but the execution will continue
A, required function B, cookies C, include function D, post
6. Which one of the following is used to handle error
A, mysql_query(); B, mysql_connect(); C, mysql_error(); D, A and C
7. Which function used to select database from php
A, mysql_select db(); B, mysql_select_db(); C, mysql select_db(); D, mysql select db();
8. Which one of the following used to recommended to use css
A, inline B, internal C, external D all

OPERATING SYSTEM

1. _____ is a programming between the process and the operating system
A, system program B, system call C, thread D, process
2. Which one is true about process
A, new instructions are being excuted
B, waiting the process is waiting to be assigned to a cpu
C, information associated with each process is process control
D, cpu synchronization is not used for process
3. Operating system is responsible for the following activities in connection with process management except
A, excuting and deleting both user and system process
B, providing mechanism for process synchronization
C, providing mechanism for process communication
D, mapping file on to secondary storage
4. _____ management done by user-level threads library
A, kernel B, user
C, A and B D, none

5. Which one of the following is not true about goals of OS
6. Address binding used for loading to the memory
A, execution time B, load time C, compile time D, all
- 7 which one of the following is false about file system

OBJECT ORIENTED PROGRAMMING

1. Which one of the following is true
A, method overriding is performed with in a class
B, method overloading is performed with in a class
C, final keyword is used in method overriding
D,static keyword is used in method overriding
E, A and B
2. Which one of the following is true
A, a class have the same name as the file name
B, a constructor have same name as the class
C, constructor have return value
D A and B
3. What is even handler
4. Package code (4 questions)

COMPUTER NETWORKING

1. Which one of the following is not correctly matchod
A, transport layer-----gateway
B, network layer ----- router
C, datalink layer ----- bridge
D, application layer ---- switch
2. Which one of the following is not the component of data communication
A, transmission medium B, protocol C, message D, data flow
3. _____ are set of rules that govern data communication
A, standard B, protocol C, data communication D, transmission medium
4. Which one of the following is not true about UDP
A, connectionless B, not reliable

- C, used for flow and error control D, used to send small size messages
5. Transport layer supports
 A, host to host delivery B, process to process delivery
 C, node to node delivery D, none
6. In datagram which one is false
 A, there is resource reservation
 B, datagram switching
 C, in datagram divided the packet into fixed and variable size
 D, each packet is treated independently of all other
7. DHCP is assigned in
 A, internet B, port C, id D, network
8. Which address is invalid
 A, 10.120.30.41
 B, 1.31.125.155.160
 C, 155.130.262.55
 D, B and C
9. Which of the following is the function of datalink layer
 A, datalink control B, framing C, media access control D, all

ANSWERS INDEX

C++ 1,C 2,B 3,C 4,B 5,B 6,B 7,operating system

DIGITAL LOGIC DESIGN 2, D 3, C 5, B 6, C 7,B

Some questions answers are workouts.

DATABASE MANAGEMENT SYSTEM

1, C 2,C 3,D 4,E 5,B 6, B 7,C 8,B

COMPUTER ARCHITECTUR

1,B 2,D 3, A 4,D 5, A 6,B 7,A

MICROPROCESSOR

1,C 2, D 3,C 4, C 5,D 6,A 7, A 8,WORKOUT 9,B 10, C

INTERNET PROGRAMMING

1,A 2,B 3,C 4,C 5,C 6,C 7,B 8,D

OPERATING SYSTEM

1,C 2,C 3,D 4,B 5 READ ABOUT IT 6,B 7,READ ABOUT IT

OBJECT ORIENTED PROGRAMMING

1,E 2,D 3,RAED ABUOT IT 4,READ ABUOT IT

COMPUTER NETWORK

1, D 2,D 3,B 4,C 5,B 6,A 7,C 8,D 9,D