QUESTION PAPER - 2012

COMPUTER SCIENCE & ENGINEERING

Q.1 Which of the following is an advantage of virtual memory ?

(1) Processes can be given priority.

(2) Programs larger than the physical memory size can be run.

(3) Faster access to memory on an average.

(4) Linker can assign addresses independent of where the program will be loaded in physical memory.

Q.2 Which of the following is an advantage of memory interlacing ?

(1) A large memory is obtained.

(2) A non-volatile memory is obtained.

(3) The cost of the memory is reduced.

(4) Effective speed of the memory is increased.

Q.3 Which of the following devices should be given higher priority in assigning interrupts ?

(1) Printer   (2) Floppy disk

(3) Keyboard   (4) Hard disk

Q.4 _____ addressing mode permits relocation without any change to the code.

(1) Base register   (2) Indexed register

(3) Relative   (4) Indirect

Q.5 Between what components of a Computer does an I/O processor control the flow of information ?

(1) I/O devices and Cache memory

(2) I/O devices and Main memory

(3) Two I/O devices

(4) Main memory and Cache memory

Q.6 What 'C' command which is used to free the allocated memory ?

    (1) Dispose   (2) Free

    (3) Deallocate   (4) Refresh

Q.7 In order to realize dynamic memory allocation by using functions like malloc, calloc and realloc, which header file should be included ?

    (1) string.h   (2) stdiomemory.h

    (3) stdio.h   (4) stdlib.h

Q.8 What does 'stderr' in C language stands for ?

    (1) Standard error streams

    (2) Standard error types

    (3) Standard error definitions

    (4) Standard errors

Q.9 What is the output of the following 'C' code ?

```
main()
    {
        static char a[ ] = "ECET12";
        char * b = "ECET12";
        printf("\n%d %d", sizeof(a),
                        sizeof(b));
    {
```

    (1) a=7, b=2   (2) a=2, b=7

    (3) a=7, b=6   (4) a=7, b=8

Q.10 What is the purpose of rewind() function in 'C' ?

    (1) file pointer repositions to the starting of the file

    (2) file pointer repositions to the end of file

    (3) file pointer repositions to the starting of the line

    (4) file pointer repositions starting of the word.

Q.11 The total number of nodes in a binary tree with 'n' leaves is _____ .

    (1) n   (2) 2n

    (3) 2n − 1   (4) 2n − 2

Q.12 A tree is special case of a graph which consists of _____ number of cycles.

 (1) 0   (2) 1

 (3) 2   (4) more than 2

Q.13 A heap allows a very efficient implementation of a _____.

 (1) Stack   (2) Queue

 (3) Priority queue   (4) Tree

Q.14 If the postorder traversing of a tree results in C F E D B J I H G A; then the preorder traversal would return what ?

 (1) ABDCEFGHIJ   (2) ABCDEFGHIJ

 (3) ABCDEFHGIJ   (4) ABCDFEGHIJ

Q.15 Which data structure allows deletion at both ends of the list but insertion at only one end ?

 (1) Input-restricted dequeue   (2) Output-restricted dequeue

 (3) Priority queue   (4) Circular queue

Q.16 _____ layer is not present in the TCP/IP reference model.

 (1) Transport   (2) Session

 (3) Internet   (4) Application

Q.17 _____ is the Protocol Data Unit (PDU) used at the network layer of the OSI model.

 (1) Segment   (2) Frame

 (3) Packet   (4) Bits

Q.18 Which layer in the OSI reference model takes the responsibility of flow control ?

 (1) Application layer   (2) Transport layer

 (3) Network layer   (4) Session layer

Q.19 _____ are the devices that operate at the network layer of the OSI model for forwarding the packets over WAN.

 (1) Hubs   (2) Bridges

 (3) Switches   (4) Routers

Q.20 What does SMTP stand for ?

    (1) Standard message transfer protocol

    (2) Standard mail transfer protocol

    (3) Simple mail transfer protocol

    (4) Simple message transfer protocol

Q.21 Identify the class of the IP address given in the binary representation below :

    11000110.01110000.00011100.11111100

    (1) A   (2) B

    (3) C   (4) D

Q.22 Which of the following statement is typically FALSE about Ethernets ?

    (1) Ethernets use circuit switching to send messages

    (2) Ethernets are used in providing physical address

    (3) Ethernet protocols use a collision-detection method to ensure that messages are transmitted properly

    (4) Networks connected by Ethernets are limited in length to a few hundred meters

Q.23 _____ acts as security buffer between a company's private network and all external networks.

    (1) Firewall   (2) Password

    (3) Disaster recovery plan   (4) Virus checker

Q.24 How many bytes are used by the Class 'B' IP addresses to represent the Host and Network IDs?

    (1) 1,3   (2) 2,3

    (3) 2,2   (4) 3,1

Q.25 _____ protocol is used for remote login purpose.

    (1) Telnet   (2) HTTP

    (3) FTP   (4) SMTP

Q.26 What is meant by a Process

    (1) A program written in high level language and stored on the disk

    (2) A program in execution

    (3) A job stored in the secondary memory

    (4) A job available in the main memory

Q.27 A computer system cannot boot if the _____ is not available on it

    (1) Loader   (2) Linker

    (3) Interpreter   (4) Operating System

Q.28 What is the use of Job Control Language (JCL) statements ?

    (1) Allocate the CPU to a job

    (2) Read the input from one device to another device

    (3) Inform the OS, the start and end of a job in a batch

    (4) For managing the memory

Q.29 Which, strategy allows the processes that are logically runnable to be temporarily suspended ?

    (1) Shortest Job First   (2) First come First served

    (3) Non-preemptive scheduling   (4) Round Robin

Q.30 _____ algorithm executes the shortest job first that has entered the queue of jobs.

    (1) FIFO   (2) SJF

    (3) Round Robin   (4) LIFO

Q.31 Fragmentation of the file system can be temporarily avoided by _____

    (1) Thrashing   (2) CPU scheduling

    (3) Compaction   (4) I/O devices scheduling

Q.32 What is a page fault ?

    (1) An error that occurs while a program accesses a page in the memory

    (2) An access to a page that is currently not available in the memory

    (3) A reference to a page of another program

    (4) An error which is page specific

Q.33 Belady's Anomaly is a behaviour of _____ page replacement algorithm.

    (1) Optimal   (2) LRU

    (3) Circular FIFO   (4) FIFO

Q.34 What is the special software used to create a job queue ?

    (1) Device driver   (2) Spooler

    (3) Linker   (4) Loader

Q.35 Which of the following devices has the highest access time ?

(1) Floppy Disk

(2) Cache memory

(3) Association Memory

(4) Main memory

Q.36 Relational database is a group of

(1) Fields

(2) Records

(3) Tables

(4) Packages

Q.37 The best way to classify the data models is by the degree of

(1) difficulty

(2) abstraction

(3) knowledge

(4) unification

Q.38 Hierarchical database is not efficient when handling

(1) security

(2) large amounts of data

(3) large number of transactions

(4) 1:M relationships

Q.39 Which of the following is a Date function in SQL ?

(1) SYSDATE

(2) SYS_DATE

(3) SYSTEM_DATE

(4) CURRENT_DATE

Q.40 What needs to be created if Kishan is working with an employee table and wants to find out how many employees are working in India ?

(1) Create a new table

(2) Create a new query

(3) Create a new form

(4) Utilize the database wizard

Q.41 A normal form which is sufficient for the consideration of a relational database design is

(1) BCNF

(2) 5NF

(3) 4NF

(4) 3NF

Q.42 Which of the following type of JOIN is not used in SQL ?

(1) Inner join

(2) Outer join

(3) Equi-join

(4) Non Equi-join

Q.43 Abbreviate SQL : _____

(1) Systematic Query Language

(2) Structured Query Language

(3) Structural Query Language

(4) Simple Query Language

Q.44 What is the command used in SQL to remove row(s) from a given table ?

(1) DELETE   (2) DROP

(3) ERASE   (4) REMOVE

Q.45 Where is the 'HAVING' clause of SQL used for querying ?

(1) Used for rows rather than columns

(2) Used for columns rather than rows

(3) Used for groups rather than rows

(4) Used for rows rather than groups

Q.46 If duplicate rows are to be avoided in the queried output using a SELECT statement, what qualifier should be used

(1) DEFINITE   (2) DISTINCT

(3) DISJOINT   (4) UNIQUE

Q.47 Select one equivalent SQL statement for the given query:

SELECT EMP_NAME FROM EMPLOYEE WHERE PLACE = 'HYD';

(1) SELECT EMP_NAME FROM EMPLOYEE WHERE PLACE IN ('HYD');

(2) SELECT EMP NAME IN EMPLOYEE WHERE PLACE IN ('HYD');

(3) SELECT EMP_NAME IN EMPLOYEE WHERE PLACE = 'H';

(4) SELECT EMP_NAME IN EMPLOYEE WHERE PLACE = 'HYD');

Q.48 In SQL what command is used to get sorted output of a given query ?

(1) GROUPBY   (2) ORDERBY

(3) SORTBY   (4) ARRANGEBY

Q.49 Multi-valued dependencies should _____ be eliminated.

(1) Never   (2) Rarely

(3) Always   (4) Frequently

Q.50 DROP statement in SQL belongs to which category statement

(1) DML statement   (2) DDL statement

(3) DCL statement   (4) TCL statement

Q.51 _____ storage class is not supported by C++ compiler.

(1) Dynamic   (2) Register

(3) Auto   (4) Mutable

Q.52 _____ feature is not at all supported by the C++ compiler.

(1) Operate overloading   (2) Exception handling

(3) Reflection   (4) Namespaces

Q.53 _____ keyword supports dynamic method resolution in C++.

(1) Abstract   (2) Virtual

(3) Dynamic   (4) Typeid

Q.54 Which of the following should be used to access an array element in C++ ?

(1) Dot operator   (2) Member name

(3) An index number   (4) Function name

Q.55 What is meant by operator overloading in C++ ?

(1) It is creating new operations

(2) It is creating new functions

(3) It is giving new meanings to existing C++ operators

(4) It is loading multiple operators into a given function

Q.56 What is meant by C++ pure virtual function ?

(1) A function which has no body

(2) A function which returns no value

(3) A function which is never used in a base class

(4) A function which is difficult to explain

Q.57 In C++ what does redirection perform.

(1) It redirects a file from a device to a stream

(2) It redirects a stream from a file to a console

(3) It redirects a device from the screen to a file

(4) It redirects the screen from, a device to a stream

Q.58 To which class of stream does 'cout' object in C++ belong to ?

(1) stringstream   (2) istream

(3) ostream   (4) ifstream

Q.59 Which of the following is used by an object to refer to itself

    (1) this   (2) itself

    (3) self   (4) own

Q.60 In C++ when no access specifier is explicitly mentioned for the base class _____ is the default inheritance type

    (1) Public   (2) Private

    (3) Internal   (4) Protector

Q.61 In C++, name mangling is used to support the feature called _____

    (1) Overloading   (2) Overriding

    (3) Data Hiding   (4) Abstraction

Q.62 Which of the following operators in C++ cannot be overloaded ?

    (1) Assignment   (2) Equality

    (3) Scope resolution   (4) Arrow

Q.63 _____ cannot be declared as a template in C++.

    (1) Classes   (2) Member functions

    (3) Global functions   (4) Macros

Q.64 Which of the following Inheritance mechanism is not supported in Java

    (1) Single level   (2) Multiple level

    (3) Multilevel   (4) All the above

Q.65 If class X is friend of class Y and if class Y is friend of class Z, which of the following is correct ?

    (1) Class X is friend of Class Z

    (2) Class Z is friend of Class X

    (3) Class X and Class Z do not have any friend relationships

    (4) Class Y is a mutual friend to Class X and Class Y

Q.66 What is the output of the following given Java code :

```
public class Ecet {

public static void main (string[] args) {

newEcet().go("hello", 1);
```

```
newEcet().go("hello",world", 2);
}
public void go (string y, int x) {
System.out.print(y[y.length−1]+"");
}}
```

(1) h he   (2) hello world

(3) world world   (4) compilation fails

Q.67 Which one of the following statements is TRUE ?

(1) At once, more than two threads may possibly end up in deadlock.

(2) The JVM implementation guarantees that multiple threads cannot enter into a deadlocked state.

(3) Deadlocked threads release once their sleep() method's sleep duration has expired.

(4) Deadlocking can occur only when the wait(), notify() and notifyAll() methods are used incorrectly.

Q.68 Fill up the blank with one of the following statements for the given Java code which allows Ecet class to compile :

```
class Navigation {
public enum Direction {North, South, East, West}
public class Ecet{

_____

}
```

(1) Direction d = North;

(2) Navigation.Direction d = Navigation.Direction.North;

(3) Direction d = Direction.North;

(4) Navigation.Direction d = North;

Q.69 What is the output of the given Java code below ?

```
interface TestA { String to String( );}
public class Test {
public static void main (String[] args) {
```

System.out.println(newTestA() {

public String to String() {return "test";}

});

}

}

(1) test

(2) null

(3) An exception is thrown at runtime

(4) Compilation fails because of an error in line 1

Q.70 Given the following Java code, _____ can directly access and change the value of the variable name

package exam;

class Ecet {

public String name = "hello";

}

(1) any class

(2) only the Ecet class

(3) any class in the exam package

(4) any class that extends Ecet

Q.71 What is the output of the following Java code ?

public class EcetString1 {

public static void main(String[] args){

String str = "420";

str+=42;

System.out.print(str);

}

}

(1) 42   (2) 420

(2) 42042   (4) 462

Q.72 Given the following Java code below, what is the output ?

```
int a = 0;
int b = 10;
do{
    b--;
    ++a;
} while (a<5);
system.out.print(+a "," +b);
```

(1) 5,6

(2) 5,5

(3) 6.5

(4) 6,6

Q.73 What is a Web Browser ?

(1) A compiler which compiles high level language programs

(2) A compiler which compiles low level language programs

(3) An interpreter which helps to view and navigate through web pages

(4) A loader program which connects to the operating system

Q.74 Which of the following is not a Web Browser ?

(1) Mozilla Firefox

(2) Apple Safari

(3) Google Chrome

(4) You Tube

Q.75 Which protocol is used to connect to Internet ?

(1) HTTP

(2) FTP

(3) ICMP

(4) IP

Q.76 Which HTML tag is used for indicating long quotations ?

(1) title

(2) blockquote

(3) label

(4) style

Q.77 Which of the following statements is correct about VBScript ?

(1) It is an application-specific programming language like LISP

(2) It is client-side scripting language

(3) It is not a Web Browser friendly language

(4) It is not an active scripting language

Q.78 Which VBScript built-in function gives the position of the occurrence of one string within another file on the end of the string ?

(1) InStr

(2) String

(3) InStrRev

(4) StrComp

Q.79 Which of the following is an ASP object ?

(1) AdRotator

(2) Server

(3) BrowserCap

(4) Content Linking

Q.80 Which of the following is an ASP component.

(1) Response

(2) Request

(3) Application

(4) Content Rotator

Q.81 Which of the following is the first integrated logic family.

(1) ECL

(2) TTL

(3) RTL

(4) MOS

Q.82 What is the approximate worst-case noise margin in TTL logic circuit ?

(1) 400 mV

(2) 1 V

(3) 1 mV

(4) 100 mV

Q.83 Which of the following is the fastest integrated logic family ?

(1) ECL

(2) TTL

(3) DTL

(4) CMOS

Q.84 When is that the NAND logic gate can function as a NOT logic gate ?

(1) One input is set to '0'

(2) One input is set to '1'

(3) Inputs are left open

(4) Inputs are connected together

Q.85 What logic function is produced when an inverter is added to each input and the output of an AND gate ?

(1) NAND

(2) XOR

(3) OR

(4) NOR

Q.86 What is the simplified form of the given Boolean expression : $(X+Y+XY)$ $(X+Z)$?
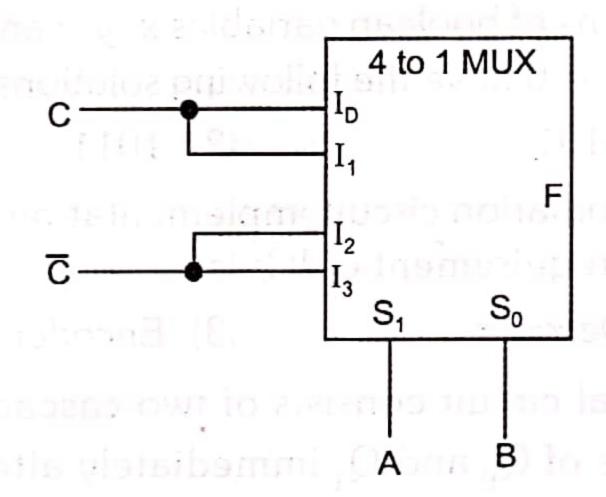
(1) X+Y+Z

(2) XY+YZ

(3) X+YZ

(4) XZ+Y

Q.87 Give the effective combination for a Master slave flip-flop:

    (1) An SR flip-flop and a D flip-flop

    (2) An SR flip-flop and a T flip-flop

    (3) A T flip-flop and a D flip-flop

    (4) Two T flip-flops

Q.88 How many flip-flops are required to divide the input frequency by 64?

    (1) 4   (2) 5

    (3) 6   (4) 7

Q.89 Which is the first microprocessor introduced by the Intel Corporation ?

    (1) 2002   (2) 4004

    (3) 8008   (4) 8080

Q.90 The 8086 microprocessor has a ____ bit data bus and a ____ bit address bus.

    (1) 8, 8   (2) 8, 16

    (3) 16, 16   (4) 16, 20

Q.91 8086 has a _____ bytes queue.

    (1) 4   (2) 6

    (3) 8   (4) 16

Q.92 The registers which are used for the address calculations in based indexed addressing mode are _____

    (1) BP & SI   (2) BP & DI

    (3) BX & SI   (4) BX/BP & SI/DI

Q.93 Which of the following instruction is used for unconditional jump ?

    (1) JMP   (2) JUMP

    (3) JZ   (4) GO

Q.94 How is the implementation of the control section of Intel 8086 microprocessor done ?

    (1) Using microprogramming

    (2) Using nanoprogramming

    (3) It is a combination of Micro-programming and Hard-wired designs

    (4) Using hard-wired control in a random manner

Q.95 How many conditional flags are available in 80486 ?

    (1) 6   (2) 8

    (3) 10   (4) 16

Q.96 What address instructions are used by a Stack ?

    (1) Zero   (2) One

    (3) Two   (4) Three

Q.97 Which is the addressing mode where the operand is specified within-the instruction ?

    (1) Direct   (2) Indirect

    (3) Immediate   (4) Register

Q.98 EDRAM indicates _____.

    (1) Extended DRAM   (2) Enhanced DRAM

    (3) Electronic DRAM   (4) Electrical DRAM

Q.99 Which of the following matches better with DMA I/O ?

    (1) High Speed RAM   (2) Printer

    (3) ALU   (4) Disk

Q.100 Which of the following is not a form of memory ?

    (1) Translation lookaside buffer   (2) Instruction opcode

    (3) Instruction cache   (4) Instruction register

QUESTION PAPER - 2017 (T.S)

COMPUTER SCIENCE & ENGINEERING

Q.1 The logic realized by the following circuit at output F is

(1) B + C (2) A.C (3) A + C (4) B.C

Q.2 We are given a set of n distinct elements and an unlabeled binary tree with n nodes. In how many ways can we populate the tree with the given set so that it becomes a binary search tree ?

(1) 0 (2) 1 (3) n! (4) $(1/(n+1))2nC_n$

Q.3 A priority queue is implemented as a Max-Heap. Initially, it has 5 elements. The level-order traversal of the heap is: 10, 8, 5, 3, 2. Two new elements 1 and 7 are inserted into the heap in that order. The level-order traversal of the heap after the insertion of the elements

(1) 10, 8, 7, 3, 2, 1, 5   (2) 10, 8, 7, 2, 3, 1, 5
(3) 10, 8, 7, 1, 2, 3, 5   (4) 10, 8, 7, 5, 3, 2, 1

Q.4 You have an array of n elements. Suppose you implement quicksort by always choosing the central element of the array as the pivot. Then the tightest upper bound for the worst case performance is _____

(1) $O(n^2)$ (2) $O(n \log n)$ (3) $\theta(n \log n)$ (4) $O(n^3)$

Q.5 Consider a hash table with 9 slots. The hash function is h(k) = k mod 9. The collisions are resolved by chaining. The following 9 keys are inserted in the order : 5, 28, 19, 15, 20, 33, 12, 17, 10. The maximum, minimum and average chain lengths in the hash table, respectively, are

(1) 3, 0 and 1   (2) 3, 3 and 3   (3) 4, 0 and 1   (4) 3, 0 and 2

Q.6 Which of the following is a column in a table whose purpose is to uniquely identify the records from the same table ?

(1) Candidate key (2) Foreign key   (3) Intelligent key (4) Primary key

Q.66 In UNIX traditional scheduling _____
(1) a CPU-bound process is given higher priority than an I/O bound process
(2) an I/O-bound process is given higher priority than a CPU-bound process
(3) Both CPU-bound and I/O-bound processes are given equal priority
(4) It depends on the current load on the system

Q.67 Which of the following clause is needed to sort the values of a particular column ?
(1) Having   (2) Order by   (3) Group by   (4) Sort by

Q.68 The column of a table in relational model is referred to as _____
(1) Tuple   (2) Attritube   (3) Entity   (4) Degree

Q.69 CREATE TABLE is an example for _____
(1) DDL   (2) DCL   (3) DML   (4) DTL

Q.70 To modify the structure of a table the following command is used _____
(1) MODIFY   (2) ALTER TABLE   (3) UPDATE   (4) CORRECT

Q.71 In which normal form every non-key attribute is non-transitively depending on key attribute ?
(1) First   (2) Second   (3) Third   (4) Fourth

Q.72 An index which contains at least one data entry for every search key value that appears in a record in the indexed file is _____
(1) Primary index   (2) Secondary index   (3) Dense index   (4) Clustered index

Q.73 All locks obtained by a transaction are unlocked after the transaction _____
(1) Commit   (2) Grant   (3) Revoke   (4) Compile

Q.74 Which of the following is true about the static member variable in C++ ?
i) It is initialized to zero when the first object of its class is created. Other initialization is also permitted.
ii) It is visible only within the class, but its lifetime is the entire program
(1) i-True, ii-True   (2) i-False, ii-True
(3) i-True, ii-False   (4) i-False, ii-False

Q.75 Which of the following statements is incorrect ?
(1) Friend keyword can be used in the class to allow access to another class
(2) Friend keyword can be used for a function in the public section of a class
(3) Friend keyword can be used for a function in the private section of a class
(4) Friend keyword can be used on main()

Q.76 What will happen in this code ?

```
int a = 100, b = 200;
int *p = &a, *q = &b;
p = q;
```

(1) b is assigned to a   (2) p now points to b
(3) a is assigned to b   (4) q now points to a

Q.77 What is the output of this program ?

```
#include<iostream>
using namespace std;
int main()
{
        char arr[20];
        int i;
        for(i = 0; i < 10; i++)
                *(arr + i) = 65 + i;
        *(arr + i) = \0';
        cout<<arr;
        return(0);
}
```

(1) ABCDEFGHIJ   (2) AAAAAAAAAA   (3) JJJJJJJJJJ   (4) BBBBBBBBBB

Q.78 Where does a cin stop its extraction of data ?

(1) by seeing (

(2) when a blank space is encountered

(3) when user stops typing

(4) when keyboard buffer is full

Q.79 ios : : trunc is used for ?

(1) if the file is opened for output and it already existed, its previous content is deleted and replaced by new one

(2) if the file is opened for output and it already existed, no action is taken

(3) if the file is opened for input and it already existed, the file is truncated

(4) if the file is opened for input, it position file at the end of file

Q.80 Which of the following advantages we lose by using multiple inheritance ?

(1) static binding   (2) Polymorphism

(3) dynamic bringing   (4) virtulization

Q.81 Which exception is thrown by dynamic_cast ?

(1) bad_cast   (2) bad_typeid   (3) bad_exception   (4) bad_alloc

Q.82 What is the output of this program ?

```
#include<iostream>
#include<fstream>
using namespace std;
int main ()
{
```

```
            ofstream outfile ("test.txt");
            for (int n = 0; n < 100; n++)
            {
                    outfile << n;
                    outfile.flash();
            }
            cout << "Done";
            outfile.close();
            return 0;
    }
```

(1) Done (2) Error

(3) Runtime error (4) File not found exception

Q.83 What must be specified when we construct an object of class ostream ?

(1) stream (2) streambuf (3) memory (4) fstream

Q.84 Which one among the following is a legal declaration and initialization of an array is Java language ?

(1) int a[] = {"1", "2", "3", "4"}; (2) int a[] = {1, 2, 3, 4};

(3) int a[] = (1, 2, 3, 4); (4) int a[][] = {1, 2, 3, 4};

Q.85 Applet method getParameter(String paramName), in Java language is used for _____

(1) Getting the parameter value as a String

(2) Getting the environment variable

(3) Getting the program argument

(4) Getting the parameter value as a number

Q.86 Synchronized method of a class, in Java language, makes _____

(1) the system is synchronized with other systems

(2) the method syncronized with other methods

(3) the method work as an entry method of a monitor

(4) the class is synchronized with the program

Q.87 Member method isAlive() of Thread class of Java language, is used for _____

(1) testing whether the process is alive

(2) testing whether the thread is currently running

(3) testing whether the process is currently running

(4) testing whether the thread is active

Q.88 The keyword 'throws' is used for _____

(1) throwing an exception

(2) throwing an object

(3) indicates that the specified exceptions may be raised in the corresponding method

(4) raising a list of exceptions explicitly

Q.89 ArrayIndexOutOfBounds exception in Java language is raised when _____

(1) an index outside the limits of array is used

(2) a non-integer is used as an index

(3) a non-array is accessed using array indexing

(4) an array is accessed using zero index value

Q.90 Which one of the following statements, in the context of Java language, is wrong ?

(1) A member with no access modifier can be accessed in a non-subclass in the same package

(2) A member with protected modifier cannot be accessed in a subclass of a different package

(3) A member with protected modifier can be accessed in a non-subclass of the same package

(4) A member with private modifier can be accessed on in its own class

Q.91 A final method in Java language indicates that _____

(1) it is a last method being executed

(2) it is a last handler for an exception

(3) it is a constant method

(4) it cannot be overloaded

Q.92 The '>>>' operated in Java language is used for _____

(1) Rotating right signed

(2) Shifting right signed

(3) Rotating right unsigned

(4) Shifting right unsigned

Q.93 Which one of the following statements is true in Java language ?

(1) Simple variables can be passed either by value or by reference

(2) Objects can be passed either by value or by reference

(3) Objects can be passed only by reference

(4) Simple variables can be passed only by reference

Q.94 Which of the following is not a basic HTML document structure ?

(1) Title   (2) Body   (3) Head   (4) Footer

Q.95 Which is not considered a JavaScript operator ?

(1) New   (2) This   (3) Delete   (4) Typeof

Q.96 Which of the following attributes of the font tag is used to choose the type of font in HTML ?

(1) Type   (2) Text-Type   (3) Face   (4) Font-Type

Q.97 The _____ filter applies transparency effects dynamically, without using a graphics editor to hard-code transparency into the image.

(1) Flip   (2) Blur   (3) Shadow   (4) Chroma

Q.98 What is the result of the following command: $a = 1 + "apple"; ?

(1) $a is assigned the value "1apple"

(2) $a is assigned the value 1

(3) $a is assigned the value "apple"

(4) it is an error

Q.99 Which of the following is not a method of the window object ?

(1) Alert()   (2) Move()   (3) Conform()   (4) Close()

Q.100 What is the output of the following PHP code ?

```
$a=array(2,3,4,1); $x=$a[3]; $y=$a[2]; print "y=$y x=$x";
```

(1) y=4 x=1   (2) y=2 x=4   (3) y=1 x=4   (4) y=4 x=2