

FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing (Session - 2)

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Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

Human are better than computers at ☐

- ▶ Efficiency
- ▶ Accuracy
- ▶ **Pattern recognition**
- ▶ None of the given choices

Question No: 2 (Marks: 1) - Please choose one

_____ TCP
stands for _____.

- ▶ Total communication protocol
- ▶ **Transmission control protocol**
- ▶ Transfer control protocol
- ▶ Transfer collection protocol

Question No: 3 (Marks: 1) - Please choose one

www.vuaskari.com _____ First
computer network was _____.

- ▶ NSFNET
- ▶ FIRSTNET
- ▶ ARPANET
- ▶ ORPHANET

Question No: 4 (Marks: 1) - Please choose one

_____ A
user may access any item on the web through _____.

- ▶ URL
- ▶ Telnet
- ▶ POP
- ▶ SMTP

Question No: 5 (Marks: 1) - Please choose one

_____ In
JavaScript, a variable declaration is

- ▶ Optional
- ▶ Mandatory
- ▶ Not allowed
- ▶ None of the given

Question No: 6 (Marks: 1) - Please choose one

_____ According to a popular heuristic, success is defined by _____.

- ▶ The user
- ▶ The builder
- ▶ Both user and builder

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- ▶ None of the given options

Question No: 7 (Marks: 1) - Please choose one

_____ To store rounded number of 8.6 in a variable called "r_number", we write _____.

- ▶ `r_numbers=Maths.rounds(8.6)`
- ▶ `r_number=Math.rounds(8.6)`
- ▶ **`r_number=Math.round(8.6)`**
- ▶ `r_number=Maths.round(8.6)`

Question No: 8 (Marks: 1) - Please choose one

_____ random() function returns a randomly-selected, floating-point number between _____.

- ▶ **0 and 1**
- ▶ 0 and 10
- ▶ 0 and -10
- ▶ 0 and -1

Question No: 9 (Marks: 1) - Please choose one

_____ Trinoo is a _____ software.

- ▶ **DoS**
- ▶ Scanning
- ▶ Utility
- ▶ None of the given options

Which attribute of the IMG tag tells us about the source of the image _____.

- ▶ source
- ▶ path
- ▶ loc
- ▶ **src**

Question No: 11 (Marks: 1) - Please choose one

_____ The developer report to _____ in a development team.

- ▶ **Team Lead**
- ▶ Project Manager
- ▶ CEO
- ▶ IT Manager

Question No: 12 (Marks: 1) - Please choose one

_____ The effective way not to only write programs but also it works properly and further more to minimize the time and the development cost of the program is called _____

- ▶ Programming Mechanism
- ▶ **Programming Methodology**
- ▶ Programming Synchronization
- ▶ None of the given options

Question No: 13 (Marks: 1) - Please choose one

www.vuaskari.com _____ TCP stands for _____.

- ▶ Transfer Center protocol
- ▶ **Transmission Control Protocol**
- ▶ Transmission Center Protocol
- ▶ Telephone Center Protocol

Question No: 14 (Marks: 1) - Please choose one

When we buy a software package, we do not really buy it, we just by a license that allows us to use it, the _____ stays with the maker.

- ▶ Agreement
- ▶ **Ownership**
- ▶ Membership
- ▶ Software

Question No: 15 (Marks: 1) - Please choose one

Many developers write the _____ first and then incrementally convert each line into _____.

- ▶ Real code & Pseudo code
- ▶ **Pseudo code & Real code**
- ▶ Real code & Artificial code
- ▶ None of the given options

Question No: 16 (Marks: 1) - Please choose one

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Collection of facts & figures is called _____.

► **Information**

► Data

► Entity

► Attribute

Question No: 17 (Marks: 1) - Please choose one

_____ A
collection of data organized in such a way that the computer can quickly search for a desired data item is known as :

► Retrieving

► **Database**

► Information

► DBMS

Question No: 18 (Marks: 1) - Please choose one

_____ To
start an ordered list from 20 instead of 1, we will write

► <OL begin = "20">

► <OL initiate = "20">

► <OL start = "20">

► <OL from = "20">

Question No: 19 (Marks: 1) - Please choose one

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Using COLSPAN, number of rows of the current cell should extend itself

- ▶ Upward
- ▶ **Downward**
- ▶ Both Upward and Downward
- ▶ None of the given choices

Question No: 20 (Marks: 1) - Please choose one

Microsoft Word is a type of:

- ▶ System Software
- ▶ **Freeware Software**
- ▶ Shrink-Wrapped Software
- ▶ Custom-built Software

Question No: 21 (Marks: 1) - Please choose one

Compound Statement after decision constructs in JavaScript is enclosed with

- ▶ ()
- ▶ []
- ▶ { };
- ▶ { }

Question No: 22 (Marks: 1) - Please choose one

Users _____, how things work.

- ▶ Analyze in detail
- ▶ **Muddle through**
- ▶ Figure out
- ▶ Read in detail

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Question No: 23 (Marks: 1) - Please choose one

_____ One
can send an email message to a remote computer using _____ protocol

- ▶ HTTP
- ▶ **SMTP**
- ▶ FTP
- ▶ TELNET

Question No: 24 (Marks: 1) - Please choose one

_____ Writing a response, multiple statements are separated from each other with the help of

- ▶ **Period (.)**
- ▶ Comma (,)
- ▶ Colon (:)
- ▶ Semicolon (;)

Question No: 25 (Marks: 1) - Please choose one

_____ With
the passage of time the field of Computing and Telecommunication is _____.

- ▶ Diverging
- ▶ **Converging**
- ▶ Becoming different
- ▶ Becoming unique

Question No: 26 (Marks: 1) - Please choose one www.vuaskari.com

When we have to show value as part of a whole picture, which type of chart is used.

- ▶ Bar chart
- ▶ Pie chart
- ▶ Line graph
- ▶ **None of the given**

Question No: 27 (Marks: 1) - Please choose one

_____ software directly interacts with the user.

- ▶ **Application software**
- ▶ System software
- ▶ Anonymous software
- ▶ Interactive software

Question No: 28 (Marks: 1) - Please choose one

Global variables can make the logic of a web page.

- ▶ **Difficult to understand**
- ▶ Easier to understand and maintain
- ▶ Difficult to reuse and maintain
- ▶ Difficult to understand, reuse and maintain

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Question No: 29 (Marks: 1) - Please choose one

_____ In partitioning of program/module, it should be assured that partitioned chunks should be as _____ as possible.

- ▶ Dependent
- ▶ **Independent**
- ▶ Complex
- ▶ All of the above

Question No: 30 (Marks: 1) - Please choose one

```
for(var i=1; i<=2;i=i+1)
{
document.write( "Sorted Words:" + "<BR>" )
}
```

Which of the following shall be the output of above code:

- ▶ Sorted Words: Sorted Words:
- ▶ **Sorted Words:**
Sorted Words:

▶ Sorted Words: "
"

Sorted Words: "
"

▶ Sorted Words:

Sorted Words:

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Question No: 31 (Marks: 1)

What are the elements of website design? Any one

Ans:

Elements of webdesign: There are in 3 elements of web design and below are there names:

1. Navigation scheme
2. Overall look and feel
3. Layout of information

Question No: 32 (Marks: 1)

What kind of information can be stored in a database ?

- Numbers, Booleans, text
- Sounds
- Images
- Video

Question No: 33 (Marks: 2)

hub is used in networks?

Why

HUB: Hub is networking component which can be used to connect the networks and it can also be used to extend the size of networks.

Simply it can be explained as a common connection point for devices in a network. It contains multiple ports like 8port, 16 port , 23 port hubs

Question No: 34 (Marks: 2)

Write names of the DoS attack's phases?

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DoS (Denail of service): DoS attach has in total 3 phases and below they are listed:

1. Search
2. Arm
3. Attack

Question No: 35 (Marks: 3)

What do you mean by FTP or File Transfer Protocol?

FTP: File transfer protocol was first introduced in 1973; it standardized the transfer of files between computers on a TCP/IP network (e.g internet).

It can download or upload files to a remote computer using the FTP protocol

Operations performed using FTP:

1. List, change, create folders on a remote computer
2. Upload and download files

Usage: Transferring Web content from the developer's PC to the Web server

Question No: 36 (Marks: 3)

How many types of errors can be found during a program developement? List them.

1. Syntax errors
2. Semantic errors
3. Run-time errors

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Question No: 37 (Marks: 3)

Write code in JavaScript to display the odd numbers between 20 to 100 using **FOR** statement.

Note: No need to write whole HTML program. Just JavaScript code of require part is require.

Question No: 38 (Marks: 5)

Why the number of temporary workers are on the rise? Discuss main reasons?

Temporary workers:

Temporary workers are those workers which a company can hire to perform a certain task with in a defined time period.

Temporary workers are mostly consultants which move organization to organization to perform assigned workers.

Reasons:

1. Now-a-days; whole world is suffering from financial crisis, most of the companies have frozen there hiring, just in case they need a resource they are looking for a temporary worker for a specified time span to perform a specialized task and they just pay him for that period of time.
2. Temporary workers are mostly consultants which have expertise in a certain field and they are considered specialists in that field.
3. Employer doesn't need to train the temporary worker.

Question No: 39 (Marks: 5)

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Write the JavaScript code for the Function SumOddNumbers(maxNumber) that can add non-negative odd numbers up to maxNumber and return their sum.

Java Script Code:

Question No: 40 (Marks: 10)

Define network organization? What are important features of network organization? (4+6)

Network Organization :

Network organization is an interfirm organization that is characterized by organic or informal social systems. A company or group of companies that has a minimum of formal structures and relies instead on the formation and dissolution of teams to meet specific objectives..

Features of Network Organization:

1. The organizations are learning that business can be done in a more effective manner if emphasis is placed upon cooperation, shared responsibility and networking:
 - Within the organization
 - And also with their customers and suppliers
2. Changes according to the demand of the times
3. Works effectively to meet the business goals of the organization
4. Everyone has a feeling that he/she is playing a major role in the organization which eventually gives a feel of ownership and because of that employee can put his best effort to accomplish a task.

Question No: 41 (Marks: 10)

Answer the following questions by looking at the code given below.

1- Which alert box will be displayed if variable 'marks' has value 75?
Ans: alert("Above average performance");

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2- What is the range of the marks when the alert box displays the message "Average performance"?

Ans: else if (marks > 50 && marks < 60)

```
{  
  
    alert("Average performance");  
  
}
```

3- What is the range of the marks when the alert box displays the message "That's poor performance"?

Ans: The below mentioned alert box is displayed for all the marks less than or equal to 50

```
else  
{  
  
    alert("That's poor performance");  
  
}
```

4- Which alert box will be displayed if variable 'marks' has the value 100?

Ans: {

```
    alert("You've touched a century");
```

```
    }  
  
}
```

1. if (marks == 100)

2. {

3. alert("You've touched a century");

4. }

5. else if (marks >= 80 && marks < 100)

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```
6.      {
7.      alert("That's good");
8.      }
9.      else if (marks >= 60 && marks < 80)
10.     {
11.     alert("Above average performance");
12.     }
13.     else if (marks > 50 && marks < 60)
14.     {
15.     alert("Average performance");
16.     }
17.     else
18.     {
19.     alert("That's poor performance");
20.     }
```



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