

SAMPLE PAPER III BLUE PRINT

SUBJECT: MULTIMEDIA AND WEB TECHNOLOGY
PAPER: THEORY

CLASS XII
MAX MARKS: 70
TIME: 3 HOURS

SNO	UNIT	KNOWLEDGE			UNDERSTANDING			APPLICATION			TOTAL
		LA	SA	VSA	LA	SA	VSA	LA	SA	VSA	
1	COMPUTER SYSTEM			2(2)			1(1)		2(1)		5(4)
2	WEB TECHNOLOGY			2(2)		4(2)		4(1)			10(5)
3	WEB DEVELOPMENT										
a)	ASP		2(1)			4(2)		3(1)	4(2)	5(5)	20(13)
b)	Review of class XI										
	HTML			1(1)				8(1)		1(1)	10(3)
	VBSCRIPT					2(1)		4(1)	4(2)		10(4)
4	MULTIMEDIA AND AUTHORING TOOLS			3(3)		8(4)		4(1)			15(8)
	TOTAL MARKS/NO. OF QUES.										70(37)

NOTE: THE NO. OF QUESTION ARE PUT WITHIN THE BRACKETS AND THEIR MARKS OUTSIDE THEIR BRACKETS.

SAMPLE QUESTION PAPER 3
MULTIMEDIA & WEB TECHNOLOGIES (Code 067)
Class XII

Max. Marks : 70

Duration : 3 hrs.

1. a) Name any two types of relationships that can be set between two tables. 1
- b) Name the following: 1
 - (i) A data type which can be used to automatically store monetary values with appropriate sign, commas and decimals.
 - (ii) A part of the Microsoft Office suite that is used to create and manage databases
- c) Name the extension of the file created when a Flash movie is published using a Macintosh projector. 1
- d) Study the following data and answer the questions given below:

Table : Student

Adm_No	Name	Class	DOB	Percentage
A101	Sujata	12 A	09/08/1984	78
A102	Anju	12 A	12/07/1983	82
A103	Ananth	12 C	07/08/1984	67

- (i) Suggest a field from the above table, which can be set as the primary key. 1
 - (ii) Suggest the data types that should be used for each of the fields in the above table. 2
 - e) Give the full forms and a difference between .DAT and a .GIF file with respect to multimedia. 2
 - f) Shyama Ad Agency is developing an advertisement for one of its clients. The client has specified that the movie should be viewable on DVD players as well as on the internet. Also they want that the viewers should not have to download any special codec to view the file. Keeping these requirements in mind, suggest the most suitable format from the following: 2
 - (i) AVI
 - (ii) MPEG
 - (iii) JPEG

Justify your choice.
- 2. Answer the following questions based on Macromedia Flash:**
- a) What is a key frame? 1
 - b) Define the term stage. 1
 - c) Explain the terms Shape Tweening and Motion Tweening with the help of an example. 2
 - d) Explain the usage of Timeline. Name any two components of the timeline. 2

e) Observe the figure given below and do as directed:

4



- The text on the left hand side shows the position and size for frame 1. The colour of the text is black.
- The text on the right hand side shows the position and size for frame 20. The colour of the text is grey.
- The text moves from frame 1 to frame 20 over a period of time.

Write the procedure and property settings for animating the above scenario.

3. Answer the following questions based on HTML:

- a) Write the HTML command to create a textbox which can accept maximum of 20 characters with a default value "Enter Name". 1
- b) Name any two structural tags of HTML. 1
- c) Write the HTML code to generate a Web Page in the format given below: 8

Consider the following while writing the HTML code:

1. Background colour of the page should be "Cyan".
2. Text style should be Comic Sans MS and colour should be Red.
3. Picture used in the page is the file "activity.jpg"
4. Table should have a border of color blue.
5. Use the concept of nested lists for creating the list given in the web page with specified bullets.
6. Pages linked to :
 - Indoor Activities as "in.html"
 - Outdoor Activities as "out.html"
7. Bottom message should be of size 2.

The Little Starlings



Welcome to our World....

The Little starlings is an hobby club that believes in all-round development of a child through various activities.

We offer the following activity choices:

1. Indoor Activities
 - Dramatics
 - Dance
2. Outdoor Activities
 - Horse-riding
 - Swimming

Activity Charges

Activity	Monthly Charges
Dramatics	Rs. 250
Dance	Rs. 350
Horse-riding	Rs. 400
Swimming	Rs. 500

For enquires Mail to us

4. Answer the following questions based on ASP:

- a) Write a command to remove the leading and trailing spaces from a character variable NAME, where NAME = "##Smriti# Malhotra###" (where # denotes a blank space). 1
- b) Name the web server required to execute ASP on Windows Operating system. 1
- c) Observe the following script: 1

```
<SCRIPT LANGUAGE = "VBSCRIPT" RUNAT="SERVER">  
OPTION EXPLICIT  
DIM A, B  
A=0  
B=1  
FOR I=1 TO 5 STEP 1  
    C= A*B  
    RESPONSE.WRITE C  
    A=B  
    B=C
```

```
NEXT
</SCRIPT>
```

Everytime this script is executed, the programmer receives an error as soon as the FOR loop is reached. Identify the error and write the corrected code.

- d) Mention any two features of ASP. 2
- e) Define variant datatype. Name any two sub-types of the variant datatype. 2
- f) Give the output for the following : 3
- (i) `Response.Write(LTRIM(LEFT("####Congratulations", 7)))`
(where # denotes a blank space)
- (ii) `Response.Write((3 * 5 > 4 + 5) AND (2 ^ 3 + 9 \ 2))`
- (iii) `Response.Write(ABS(3 - 11 * 4))`

5. Answer the following questions based on ASP:

- a) Name and specify the usage of any one ASP component. 1
- b) Differentiate between Properties and Methods of an object with the help of an example. 2
- c) Underline the errors in the following code and write the corrected script. 2
- ```
<%
DIM fname
fname=Request.Query("fname")
IF fname<>" " THEN
 Response.Output("Hello " fname "!
")
 Response.Output("How are you today?")
END
%>
```
- d) Give the output for the following code segment: 2
- ```
<%
Arr=Array(25,14,20,45,25,4,1,31)
max=UBOUND(Arr)
FOR i=max TO 1 STEP -2
    Arr(i)= 10*Arr(i)
    RESPONSE.WRITE (Arr(i) & "<BR>" )
NEXT
%>
```
- e) Green Environment Club is a company, which aims at creating an awareness among the people about the ill-effects of pollution. The company wishes to create a web site, which provides information about all their activities. Write the ASP coding for the home page with the following specifications: 3
- To display links to other pages. The links Reuse Recycle, Activities, Join Us link to the files Reuse.ASP, Activity.ASP and Join.ASP respectively.
 - To display the number of times the page has been visited.
The suggested format of the page is shown below:

Environment Club

Welcome to the green world. Click the links below to know more about us.

[Reuse Recycle
Activities](#)
[Join Us](#)

This page has been viewed 2163 times

6. Answer the following questions based on VBScript:

a) Differentiate between IF...THEN..ELSE and SELECT...CASE statements with the help of an example. 2

b) Write the equivalent script for the following code using DO..WHILE without effecting the output: 2

```
<SCRIPT LANGUAGE="VBScript">
  DIM arr(5)
  counter=1
  DO UNTIL counter > 5
    arr(counter) = counter *counter
    counter =counter + 1
  LOOP
</SCRIPT>
```

2

c) Give the output for the following script:

```
<SCRIPT LANGUAGE="VBScript">
B=10
FOR A=1 TO 12 STEP 3
  C=A+B
  DOCUMENT.WRITE(C)
  B=B-1
  DOCUMENT.WRITE ("<BR>")
NEXT
</SCRIPT>
```

d) Write an HTML code for creating a form, which accepts the birth date from the user in a textbox and displays the day of the week in a message box on the click of a button. 4

7. Answer the following questions based on Communication and network concepts:

a) Name any two units to measure data transfer rate. 1

b) Name the protocol used for sending and receiving e-mails. 1

c) Write one difference between a Hub and a Gateway. 2

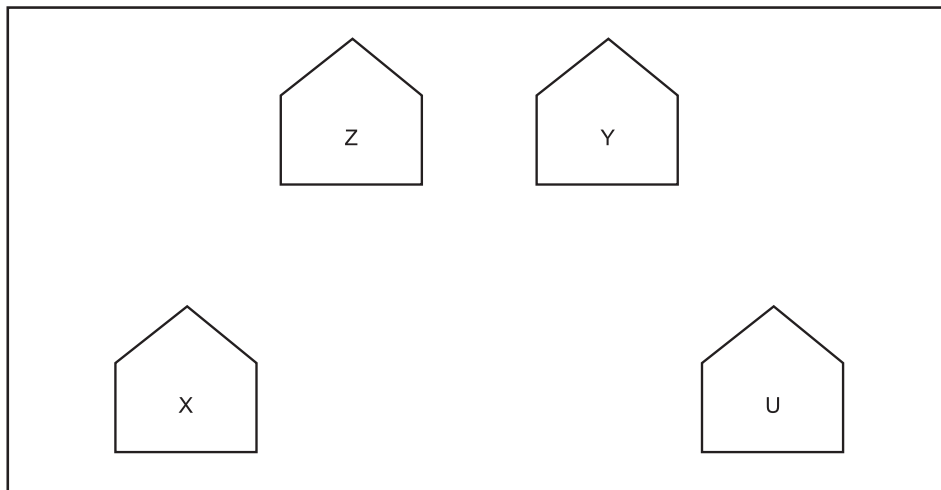
d) Explain the following terms:

i. Telnet

ii. CDMA

2

e) The Cyber Mind Organisation has set up its new Branch at Mizoram for its office and web based activities. It has 4 Wings of buildings as shown in the diagram: 4



Center to center distance between various blocks

Wing X to Wing Z	40m
Wing Z to Wing Y	60m
Wing Y to Wing X	135m
Wing Y to Wing U	70m
Wing X to Wing U	165m
Wing Z to Wing U	130m

Number of computers

Wing X	50
Wing Z	130
Wing Y	40
Wing U	15

- (i) Suggest a most suitable cable layout of connections between the Wings and topology.
- (ii) Suggest the most suitable place (i.e, Wing) to house the server of this organization with a suitable reason with justification.
- (iii) Suggest the placement of the following devices with justification:
 - Repeater
 - Hub/Switch
- (iv) The organization is planning to link its head office situated in Delhi with offices at Mizoram. Suggest an economic way to connect it; company is ready to compromise on the speed of connectivity. Justify your answer.