

**SAMPLE QUESTION PAPER FOR VISUALLY IMPAIRED
MULTIMEDIA & WEB TECHNOLOGIES (Code 067)**

Class XII

Max. Marks : 70

Duration : 3 hrs.

1. a) Name the following: 1
- i) An attribute which is capable of becoming a primary key.
 - ii) The MS-Access view in which we can define the fields, their data types and their input masks.

- b) What is the full form of MPEG? What kinds of files are stored using the MPEG file format? 1

- c) Study the following data and answer the questions given below:

Table: Sales

Sale_Date	Item_Name	Bill_No	Item_Price	Quantity_Sold
11/12/2003	Pen	101	20.50	5
09/10/2003	Pencil	212	5.00	12
09/10/2003	Eraser	203	8.25	10
08/12/2003	Pencil	113	5.00	3
07/11/2003	Stapler	126	30.00	15
07/11/2003	Pen	254	20.50	8

- i. If the Item details have to be stored in a separate table (named ITEMS), then identify the two fields from the above table which should be included in the table ITEMS. 1
 - ii. Suggest the data types that should be used for the Bill_No and Sale_Date fields in the above table. 1
 - iii. State the item of data in the Item_Name column for Item_Price 8.25. 1
 - iv. For each record state how many attributes are shown in the above table. 1
- e) Differentiate between a GIF and a JPEG image. 2
- f) Explain the term "Publishing a Flash Movie"? Name any two formats in which a Flash movie can be published. 2

2. Answer the following questions based on Macromedia Flash:

- a) What do you mean by symbol? How is different from a instance? 2
- b) Differentiate between a Key Frame and a Blank Key Frame. 2
- c) Explain tweening with the help of an example? Name the two kinds of tweening. 2
- d) Write the steps for the following: 4
 - (i) To create a duplicate scene.
 - (ii) To add a new scene.
 - (iii) To delete a scene

(iv) To navigate through scenes.

3. Answer the following questions based on HTML:

a) Rashmi has recently learnt HTML and is designing a form to receive the details of the visitors who visit her company's website and wish to enroll for a free workshop on "Managing Stress". She has to take in the input for age and hobbies. She is confused which interface element, radio button or checkbox, should she use for these two inputs. Can you suggest her which element to use for these two inputs? Justify your suggestion. 2

b) Explain Border, Cellspacing, Cellpadding and Bgcolor attributes of the table tag. Write the html code for the following to appear one after the other: 8

- (i) A heading with center aligned words, "Welcome to India" and the color of its text should be "Maroon"
- (ii) A horizontal rule of black color and size 3 across the page below the heading.
- (iii) Background color of the page should be yellow and visited link color should be green.
- (iv) Font face of the text on the page is arial.

4. Answer the following questions based on ASP:

a) Observe the code of two files given below: 1

File1

```
<HTML>
  <TITLE>Eligibility Test</TITLE>
  <BODY>
    <FORM ACTION="Test.asp" METHOD="post">
      Name: <INPUT TYPE="text" NAME="t1"><br>
      <BR>
      Age: <INPUT TYPE="text" NAME="t2"><br>
      <BR>
      <INPUT TYPE="submit" VALUE="Test Eligibility">
    </FORM>
  </BODY>
</HTML>
```

File2

```
<%
  name=REQUEST.FORM("t1")
  age=REQUEST.FORM("t2")
  IF age>=18 Then
    RESPONSE.WRITE (name & "you are eligible")
  ELSE
    RESPONSE.WRITE("Sorry not eligible")
  END IF
%>
```

- Name the file that will be executed on the client side and the one that will be executed on the server side.
- b) Identify the following: 2
- (i) The collection used to retrieve the values of form elements sent using the POST method.
 - (ii) The alternate command for `<%="HELLO" %>`
- c) What is a sub-routine? What are arguments? Explain with an example. 2
- d) Use the following script to answer the questions that follow: 2
- ```

<!-- Start the script -->
<%
DIM A
StartSub
Sub StartSub
Work
B = 20
Work
END SUB
SUB Work
A=A+5
END SUB
%>

```
- (i) What is the scope of variable A and B in the above script?
  - (ii) How many times will the subroutine *Work* be executed in the above script?
- e) Give output of the following statements: 3
- i) `Response.Write(INSTR(LTRIM(" WebTech"), "Tech"))`
  - ii) `Response.Write(UCASE(RIGHT("Multimedia",5)))`
  - iii) `Response.Write(ABS(4 - 10 * 3))`
- 5. Answer the following questions based on ASP:**
- a) Explain briefly the usage of the Application object. 1
- b) Underline the errors in the following code and write the corrected script. 2
- ```

<HTML>
<BODY>
<% for a = 1 To 4 %>
&ltFONT SIZE= <% a %>>
Hello World !<BR>
< Next>
</BODY>
</HTML>

```
- c) Give the output for the following code segment: 2
- ```

<%
Arr=Array(25,14,20,45)
max=UBOUND(Arr)
FOR i=max TO 1 STEP -1
Arr(i)= 100-Arr(i)

```

```

NEXT
FOR i=0 TO max
 RESPONSE.WRITE (Arr(i) & "
")
NEXT
%>

```

- d) Observe the program segment given below carefully and fill the blanks marked as Line 1 and Line 2 using methods of the RecordSet object for performing the required task. 2

```

<%
DIM objConn, strConn, objRS
SET objConn = Server.CreateObject("ADODB.Connection")
strConn = "DSN=exam"
objConn.Open strConn
SET objRS = Server.CreateObject("ADODB.RecordSet")
objRS.Open "Student", objConn, 2, 2
objRS.MoveLast 'Move the cursor to the end of file
_____ 'Line 1 to Add a new blank record
objRS("AdmNo") = Request.Form("AdmNo")
objRS("Name") = Request.Form("Name")
_____ 'Line 2 to save the record in the database
objRS.Close
objConn.Close
SET objRS = Nothing
SET objConn = Nothing
%>

```

- e) Online Bazaar uses its website to make money through banner advertisements. Create an ASP file "online.asp" that uses the AdRotator component to display the advertisements stored in the file "ads.txt" 3



**6. Answer the following questions based on VBScript:**

- a) Define the term event. Name the events to be used in the following situations: 2  
 (i) To display a message every time the viewer closes a web page.  
 (ii) To deactivate a particular textbox in a form
- b) Write the equivalent script for the following code using DO..WHILE loop without effecting 2

the output:

```
<SCRIPT LANGUAGE="VBScript">
DIM sum
sum=0
FOR a= 1 TO 10 STEP 3
sum=sum + a*a
document.write(a)
NEXT
document.write(sum)
</SCRIPT>
```

- c) Give the output of the following code segment: 2
- ```
<Script Language="VBScript">
Dim A , B
A = 1
B = 10
Do While A < 5
Document.Write(A+B)
A = A + 1
B = B - 2
Loop
</Script>
```
- d) Write an HTML code for creating a form, which contains three textboxes as shown below. 4
The first two textboxes accept two numbers as input from the user and the third textbox displays the sum of these two numbers. Include the VBScript code which contains a user-defined function required to be called when the user changes the values in any of the first two text boxes.

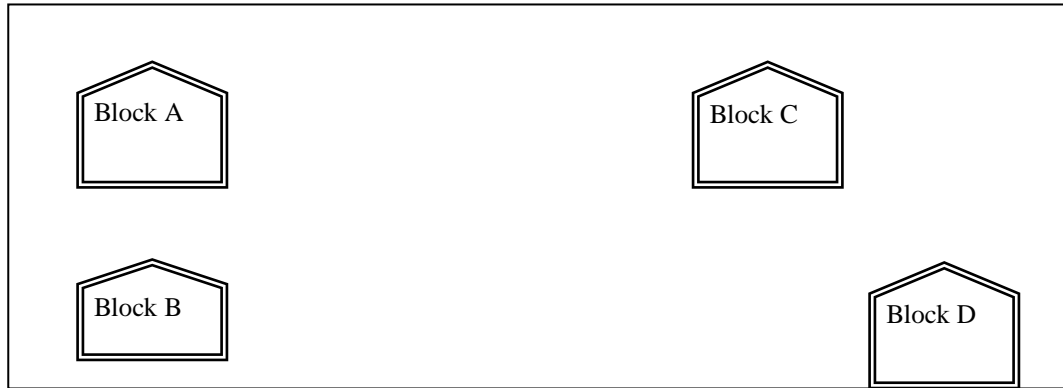
Enter numbers into the first two text boxes to find their sum

10 + 2.5 = 12.5

7. **Answer the following questions based on Communication and network concepts:**
- a) Define the term protocol. 1
- b) Aleena is interested in transferring few Songs from her mobile phone to Sanyan's mobile phone. Suggest two suitable wireless options she may opt for to do the same. 1
- c) Differentiate between a Hub and a Switch. (Give one point) 2
- d) Explain the following terms: 2
- i. Firewall
 - ii. Cracker

- e) **Knowledge Supplement Organisation has set up its new center at Mangalore for its office and web based activities. It has 4 blocks of buildings as shown below:**

4



Center to center distances between various blocks

Block A to Block B	50 m
Block B to Block C	150 m
Block C to Block D	25 m
Block A to Block D	170 m
Block B to Block D	125 m
Block A to Block C	90 m

Number of Computers

Block A	25
Block B	50
Block C	125
Block D	10

- (i) Suggest a cable layout of connections between the blocks.
- (ii) Suggest the most suitable place (i.e. block) to house the server of this organisation with a suitable reason.
- (iii) Suggest the placement of the following devices with justification
 - Repeater
 - Hub/Switch
- (iv) The organization is planning to link its front office situated in the city in a hilly region where cable connection is not feasible, suggest an economic way to connect it with reasonably high speed?