Candidates must write the Code on the title page of the answer-book.

Roll No.

- Please check that this question paper contains **9** printed pages.

- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.

- Please check that this question paper contains **7** questions.

- **Please write down the Serial Number of the question before attempting it.**

- 15 minutes time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the student will read the question paper only and will not write any answer on the answer script during this period.

MULTIMEDIA AND WEB TECHNOLOGY

Time allowed : 3 hours *Maximum Marks : 70*

1. (a) Define the term canditate key. 1

   (b) What is the difference between text and memo data types in MS-Access ? 1

Study the following data and answer the questions that follow :

Table : ACCOUNT

Acc_No	Cust_Name	Transaction	Amount	Email_id
A101	Rama	Withdrawal	10,000	abc@xyz.com
A102	Kamla	Deposit	1,50,000	def@uvw.com
A103	Sarita	Deposit	12,000	ghi@rst.co.in
A104	Sunita	Withdrawal	36,000	jkl@opqmail.com

(i)   Suggest the datatypes that should be used for each of the fields in the above table.   2

(ii) If the Customer details have to be stored in a separate table (named CUSTOMER), then identify the two fields from the above table which should be included in the new table.   1
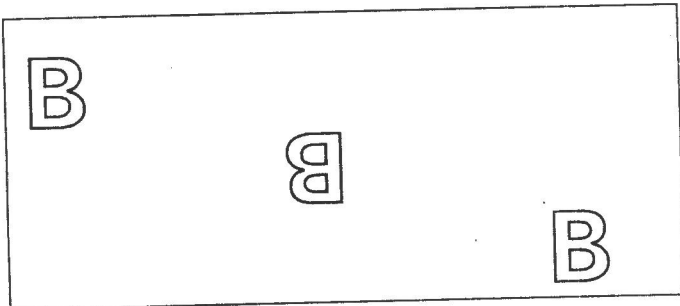
Write the full form of MPEG.   1

Write one point of difference between GIF and JPEG image formats.   2

What is a layer ? Write the advantages of using layers in Flash.   2

estions given below are based on Macromedia Flash :

What is the meaning of timeline in Flash ?   1

What is the difference between a frame and a key frame ?   2

What is a symbol ?   1

Differentiate between shape tweening and motion tweening.   2

Observe the figure given below and do as directed :

- The object on the left side shows the position and size for frame1.
- The object in the middle shows the position and size for frame30.
- The object on the right side shows the position and size for frame60.

Assume that this symbol is stored in library with name char.jpg.

Write the procedure and property settings for animating the above scenario.   *4*

3. Questions given below are based on HTML :

(a) What is the use of "maxlength" attribute with <input> tag in HTML ?   *1*

(b) Write the code to make the text "Hello World" italicized and to strike it through.   *1*

(c) Write the HTML code to display the following page :   *8*

Kanha Wild Life Sanctuary

One of the most famous Tiger Reserves in India, kanha has a rich retreat of plants and animals. A nature lover's paradise. It offers unlimited possibilities of capturing wildlife through your lenses.

1. Wild life in the Park
   - Tiger
   - Bison
   - Black Buck
2. Bird life in the Park
   - Stroks
   - Teals
   - Quails

When to visit

| Peak Season | January to June |
| Off Season | July to November |

Consider the following while writing the HTML code :

- Background colour of page is silver and link colour is maroon and visited link colour is red.
- Title of the page should be "Wildlife".
- Font for entire document is Arial.
- Images used in the page are tiger.jpg and deer. jpg.
- Use nested listing if required.
- Link files used are :

  wild.htm for Wild life in the Park
  bird.htm for Bird life in the Park

- Table border is 2px.

Questions given below are based on ASP :

(a) Write the difference between "\" and "/" operator.   2

(b) Give the name of the built in function according to the following   2
     description :

     (i)   Is used to check if and where string2 occurs within
           string1

     (ii) Returns the absolute value of number

(c) How can we include server side script in a document ?   1

(d) Identify which is implicit and which is explicit declaration of   2
     variables.

     (i)   A = 10
           A = A + 1

     (ii) Dim A
           A = 10
           A = A + 1

4

(e) Write the output of the following statements : 3

    (i)   Response.Write(ucase(mid("mypage",1,3))&"site")

    (ii)   Response.Write (instr(ltrim("Web#technology"),"Tech"))

    (iii)   Response.Write (15>8 and not 5<=3)
        ("#" represents spaces)

5. Questions given below are based on ASP :

(a)   Write the difference between server and session object.   2

(b)   Write the equivalent statement of <%=...%>.   1

(c)   Name any two variables of ServerVariables collection.   1

(d)   Write the output of the following code :   2

```
<% @ language = "vbscript"%>
    <% option explicit %>
    <% dim num1, num2, x, y>
    sub change(x, y)
    x = x + y
    y = x - y
    x = x - y
    end sub
    num1 = 10
    num2 = 40
    response.write "number 1:" & num1 &"<br>"
    response.write "number 2:" & num2 &"<br>"
    change num1, num2
    response.write "number 1:" & num1 &"<br>"
    response.write "number 2:" & num2 %>
```

(e) . Write the ASP code to conduct the following opinion poll using ASP component :

OPINION POLL

Exams should be conducted for each class :

YES ◎
NO ◎
CAN'T SAY ◎
[SUBMIT]

VOTER'S
TALLY

yes	4
no	8
can't say	2

[clear]   [show]

6. Questions given below are based on VB Script :

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

2

(b) Write equivalent **do...while** loop for the following statements without affecting the output :

```
Dim list(5)
For i = 5 to 0 step -1
If i mod 2 = 0 then
list(i)=i*i
Else
list(i)=i+i
end if
next
```

2

(c) Rewrite the following code after removing errors with each correction underlined : 2

```
<script>
b=10
for a=1-12 step 3
c=a+b
document.write(c)
b=b-1
document.write(<br>)
loop
</script>
```

(d)

Current Date ☐☐☐☐☐☐   Current Time ☐☐☐☐☐☐

No. of days worked ☐☐☐☐☐☐

Wages per day ☐☐☐☐☐☐
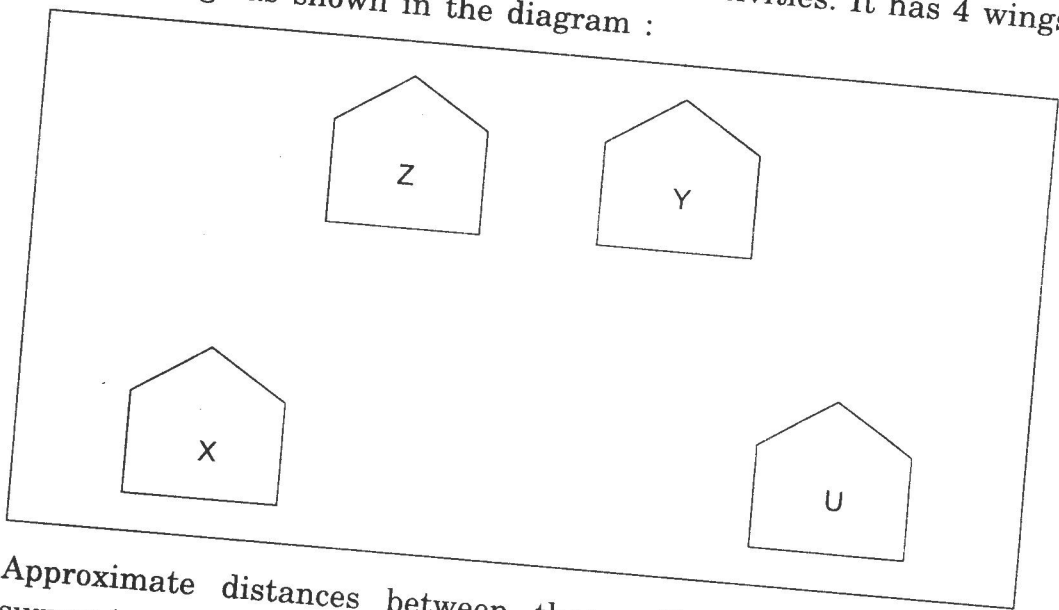
Total Salary ☐☐☐☐☐☐

clear   calculate

Write the code to display the above form and add the vbscript to display the results as written when user enters no. of days that he has worked and wages per day and clicks on calculate button. 4

(Hint : Total salary is No. of days * Wages per day)

7. Following questions are based on communication and network concepts :

(a) Name any two transmission media for networking. 1

(b) Expand the following terms : 1

    (i) PPP

    (ii) FTP

(c) Write one point of difference between Hackers and Crackers. 2

(d) Define the terms : 2

    (i) Packet Switching

    (ii) OSS

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

Approximate distances between these offices as per network survey team is as follows :

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

In continuation of the above, the company experts have planned to install the following number of computers in each of their offices :

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. *1*

(ii) Suggest the most suitable place (i.e. Wing) to house the server of this organization with a suitable reason with justification. *1*

(iii) Suggest the placement of the following devices with justification : *1*
- Repeater
- Hub/Switch

(iv) The organization is planning to link its head office situated in Delhi with offices at Mangalore. Suggest an economic way to connect it; company is ready to compromise on the speed of connectivity. Justify your answer. *1*