

TERM I– SEPTEMBER 2016

M.M: 70 MULTIMEDIA & WEB TECHNOLOGY- 067 (XII) TIME: 3 HRS

Instructions: Attempt all the questions.

Q1. Answer the following questions on the basis of MS-Access. (10)

- (a) What is the significance of RDBMS? 1
- b) What do you mean by data redundancy? 1
- c) Name types of relationships? 1
- d) What is the difference in design view and datasheet view? 1
- (b) Define the following database terminology 1
1. Degree 2. Tuple
- (c) What is the difference between Number and Autonumber data types ? 1
- (d) How is the Alternate key different from Candidate key ? 1
- (f) Study the following data and answer the questions given below :

Table: Patient

Name	P_no	Date_Admm	Doc_no
Mohan	P_101	21/03/2006	301
Priya	P_204	03/04/2006	134
Suraj	P_375	15/01/2006	204
Komal	P_424	24/06/2006	134

Table: Doctor

Doc_no	Doc_Name	Speciality
134	A.K. Sharma	Surgery
204	R. Khurana	Dentist
301	S. Shyam	Neurology
280	P.John	Dermatology

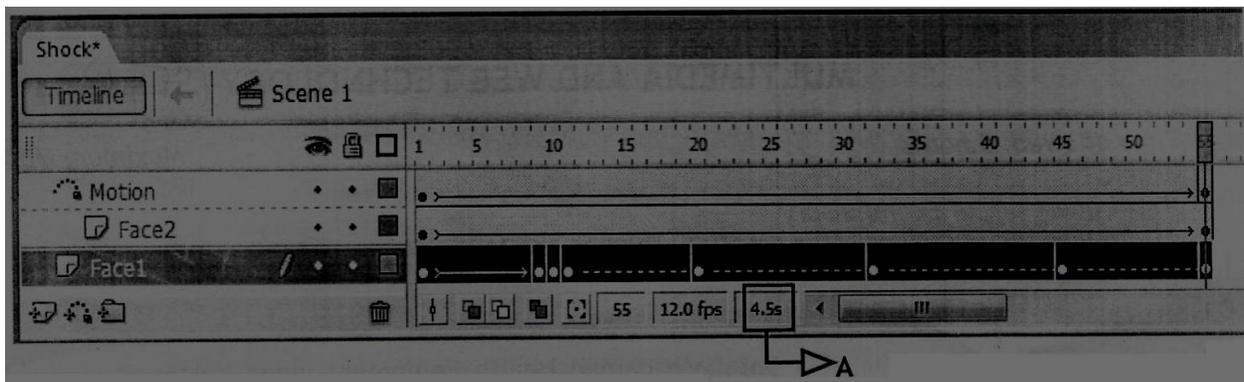
- i. Name the field, which can act as the primary key for the table Patient and the table Doctor respectively. 1
- ii. Name the field, which can act as the foreign key for the table Patient. 1
- iii. What type of relationship exists between the table Patient and the table Doctor ? 1

Q2. Answer the following questions on the basis of Multimedia. (10)

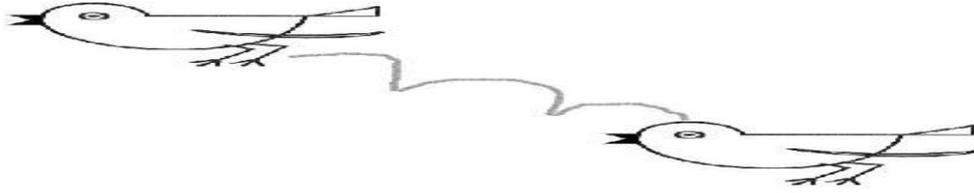
1. Name two Graphic format. 1
2. Write the full forms
A) MPEG b) AVI c) PNG d) PDF 2
3. What do you understand by Virtual reality? 2
4. What is the difference in JPEG and GIF format? 2
5. Enumerate any two applications of multimedia in education. 2
6. Mr. Shyam wants to give his interview in Delhi from Ambala office. Name the Internet service for the same. 1

Q3. Answer the following question on the basis of Flash. (10)

1. What is Flash? Write the advantages of it. 2
2. Name the tag to embed Flash file in HTML. 1
3. What will be the extension of file when published in Macintosh Projector and Windows Projector? 1
4. Namita wants to be able to play the flash movie created by her using different players like Quick Time player and Windows Media Player. Which option is better suited for her – Exporting or Publishing ? Also mention the extension of the file created that can be played using Quick Time Player. 1
- 5.



- i) Name the guided layer in the above scenario.
- ii) Given the above settings, will the contents of the layer Motion be displayed in the final movie ? Justify.
- iii) Given the above settings, name the active layer.
- iv) What does the value 4.5s in the area labelled as A signify ? 2



- The bird on the right hand side shows the position for frame
- The bird on the left hand side shows the position for frame 20.
- The bird in frame 1 moves to frame20 following path as shown in fig.
- The image of bird is bird.jpg saved in flash library.
- Add Sound also.

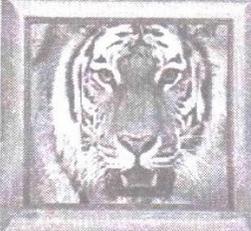
Write the procedure and property settings for animating the above scenario.

Q4. Answer the following questions on the basis of HTML.

(10)

- Explain with the help of an example how **Intrafile linking** is done. 1
- What is the use of the **ALT** attribute of an **** tag? 1
- Mr. Khattri wants to create two radio buttons Male & Female. Write the tag to create the same. 1
- Divide the whole page in two frames ,divide it row wise in 30 : 70 ratio. 1
- Write HTML code for the following: 6

Kanha Wildlife Sancturay



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.



- Wild Life in the Park
 - Tiger
 - Bison
 - Black Buck
- Bird Life in the Park
 - Storks
 - Teals
 - Quails

When to Visit

Peak Season	January to June
Off Season	July to November

1. Title of the page should be "Wildlife"
2. Background colour of the page should be "Silver".
3. Font used on the page is "Arial".
4. Pictures used in the page are the ie,, Tiger.jpg" and "blackbuck.jpg"
5. Use the concept of nested lists for creating the list given in the web page 1 specified bullets.
6. Table should have a border of width 2 and the caption "When to Visit".
7. Pages linked to:
 - Wild Life in the Park as "wild.html"
 - Bird life in the Park as "bird.html"

Q5. Answer the following on the basis of PHP.

(10)

- | | |
|---|---|
| 1) What do you mean by PHP? Write its features. | 2 |
| 2) What is the difference in Echo & Print statement? | 1 |
| 3) What is the difference in (/) and (%) ? | 1 |
| 4) What will be the output of the following: | 2 |
| a) 15 > 8 && ! 5 <= 3 | |
| b) 5 % 2 - 4/2 | |
| c) Strlen("**Multimedia & Web Technology**") | |
| d) Strrev("Hello") | |
| 5) <pre><?php \$n= array(6,23,78,98); rsort(\$n); for(i=0;i<=3;i++) {echo(\$n(i));} ?></pre> | 4 |
| <pre><?php \$n="Happy New Year!" echo substr(\$n,5) echo substr(\$n,5,7) ?></pre> | |

Q6. Answer the following on the basis of PHP.

(10)

- | | |
|---|---|
| 1) What is the role of the default clause in a switch statement? | 1 |
| 2) What is the difference in Deterministic and Non deterministic loops? Explain by taking an example. | 1 |

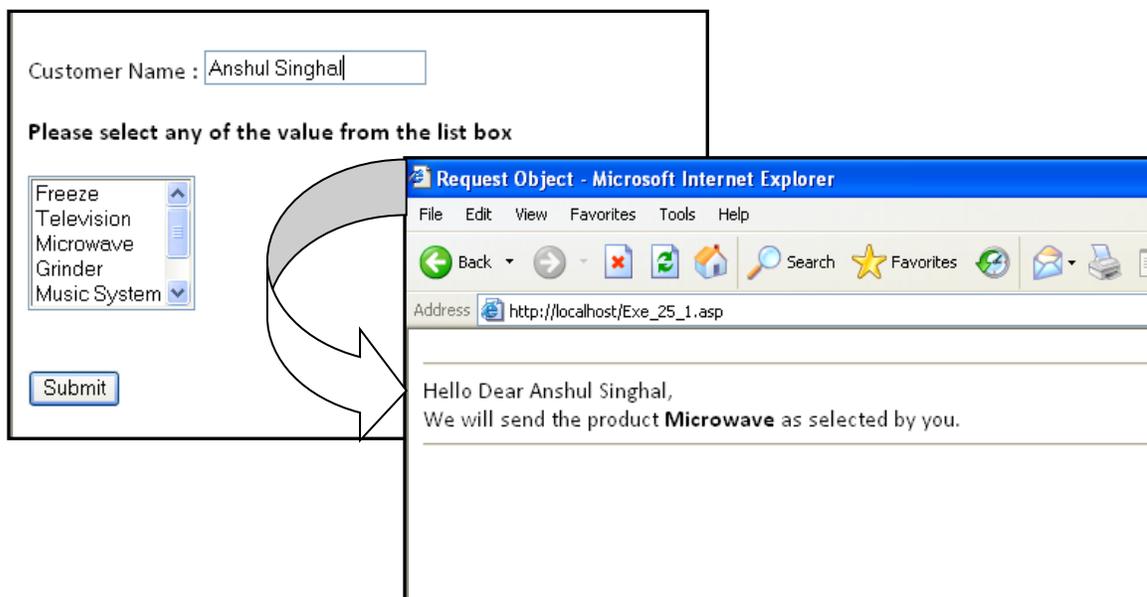
3) Give the output

2

```
<?php
Function change($x,$y)
{
$x=$x+$x;
$y=$y*$y;
Echo($x.$y."<br>");
}
$p=2;
$q=3;
$r=1;
$s=10;
change ($p,$q);
change ($r,$s);
change ($q,$s);
?>
```

4) Write the PHP code to assign an array of 10 integers and find the sum of all the elements in the array that are divisible by 7. 3

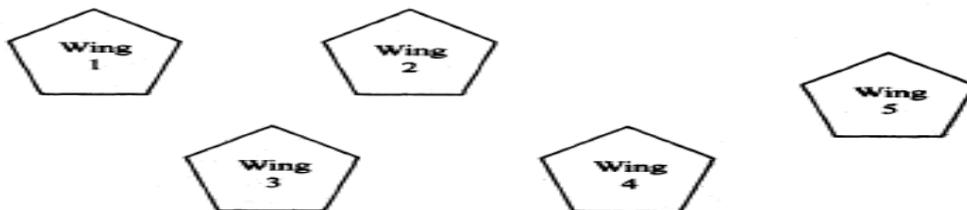
5) Gupta Enterprises is a company which sells different electronic items to its customers. The company wishes to design a PHP coded webpage, which will accept the customer name and list of products. Once any customer enters his name and select any product and click on Submit button, it should displaying name of the customer and the product selected by him in next page. 3



Q7. Answer the following questions on the basis of networking:

(10)

- 1) Differentiate Client & Server Technology. Identify Client & server side script(s): 2
 (i) ASP (ii) Javascript (iii) JSP (iv) VBScript
- 2) What do you mean by OSS? Which of the following is not open source software? 2
 (i) MS Office
 (ii) Linux Operating system
 (iii) Chrome web browser
- 3) Name the protocol to be used in the following situations: 2
 1. For transmitting files on the World Wide Web
 2. For sending and receiving e- mails
- 4) V.A associate is a big organisation and has 5 wings where it runs its operations (shown below): 4



The distances between the different wings are given below :

Between 1 and 2	40 mts.	Between 2 and 4	25 mts.
Between 1 and 3	40 mts.	Between 2 and 5	68 mts.
Between 1 and 4	55 mts.	Between 3 and 4	03 mts.
Between 1 and 5	130 mts:		
Between 2 and 3	95 mts.		

Each wing contains following number of computers :

Wing	No. of Computers	wing	no.of computers	2 wing	no.
1	70	3	13		
2	35	4	50	5	160

Answer the following questions based on the above given information:

- (i) Suggest suitable cable layout(s) for connecting the wings.
 (ii) Where do you think the server should be placed and explain why?
 (iii) Suggest the type of cable should be used if the organisation wants the most economical option.
 (iv) Where and why should repeaters and switch be used?