

# Class XII

## Sample Paper-01

### Multimedia & Web Technology

**Note :**

- Please check that this question paper contains 7 questions..
- Answer the questions after **carefully reading** the text.
- Please write down the serial number of the question before attempting it .

**Q1. a) Study the following data and answer the questions given below:**

**Indian\_records\_in\_athletics.mdb**

P_code	Event	Record	Athlete	Date	Place
2327	100 m	10.26	Amiya Kumar Mallick	28 April 2016	New Delhi, India
8761	High jump	2.25 m	Hari Shankar Roy	28 September 2004	Singapore, Singapore
0990	Long jump	8.19 m	Ankit Sharma	26 June 2016	Almaty, Kazakhstan
6565	Shot put	20.69 m	Om Prakash Karhana	12 May 2012	Szombathely, Hungary
9982	Discus throw	66.28 m	Vikas Gowda	12 April 2012	Norman, United States

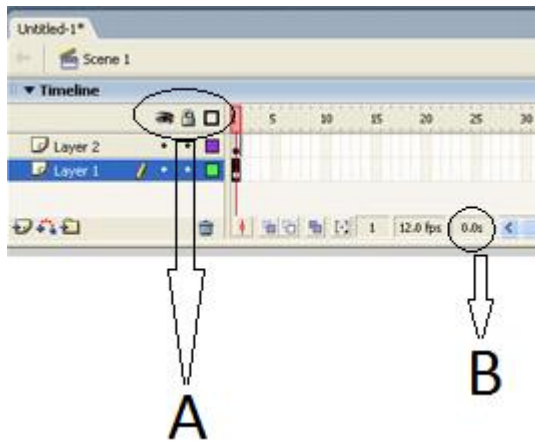
1. Name the view in which the table is shown. 1/2
2. Create a table rio2016.mdb of cardinality 3 and degree 4 having one to many relationship and suggest the names of any two mandatory fields to be included in the new table. 1+ 1/2
3. Identify any one data item from the table rio2016.mdb. 1/2
4. Name the foreign key for the table rio2016.mdb 1
5. Can this view be used to add a new field to the above table? 1/2
6. Suggest the data types that should be used for each of the fields in the **Indian\_records\_in\_athletics.mdb** 1

- b) Explain in reference of database “ integrity can be maintained”. 1
- c) Mr. Kapil wants to add links to his favourite songs on his personal website. He wishes to record few songs directly from his guitar to computer system before giving a link to them. Which of the following hardware is essentially required by him in his computer system?
- i. Graphics card    ii. MIDI interface Card    iii. Sound card    iv. Network interface card 1
- d) Enumerate any two uses of Multimedia in health. 1
- e) Name the extension of exporting flash movie into 2
- i. Macintosh projector
  - ii. Quick time

**Q2. Questions given below are based on Macromedia Flash:**

(a) Study the figure given below and identify the areas encircled.

2



(b) Ms Harleen has created a flash movie for launch of a new project . Mr. S. Expert feels that the animation is excellent but is running a little too slow. What should Harleen do to make the animation run faster without designing a new one?

1

(c) What is a symbol?

1

(d) Explain the usage of Timeline . Name any two components of the timeline.

2

(e) Observe the figure given bellow and do as directed :

4



- The text on the left hand side shows the position and size of the text for frame1.
  - The text in the middle shows the position and the size of text for frame 20.
  - The text on the right hand side shows the position and size of the text for frame 40.
- Write the procedure and property settings for animating the above scenario.

**Q3. Answer the following questions based on HTML:**

a) Name the attribute of select tag that ..

2

- Specifies the number of options visible in the scrolling list box.
- Specifies that many items can be selected by holding down the Control key.

b) Write the HTML code to generate a Web Page in the format given below :

8

## OLYMPIC



The 2016 Summer Olympics officially known as the Games of the XXXI Olympiad and commonly known as Rio 2016, was a major international [multi-sport event](#) held in [Rio de Janeiro](#), Brazil, from 5 August to 21 August 2016



### Medal standings

1. United States
  - Gold - 46
  - Silver - 37
  - Bronze - 38
2. Great Britain
  - Gold - 27
  - Silver - 23
  - Bronze - 17

### Achievers

Olympic Games Rio 2016		
India		
	P. V. Sindhu	Badminton 
	Sakshi Malik	Wrestling 
	Dipa Karmakar	Gymnastics 

[OlympicChannel.com](http://OlympicChannel.com)

Consider the following while writing the HTML code

1. Title of the page should be "Olympic 2016"
2. Link colour should be "Maroon", visited link colour should be "Red".
3. Heading of page is "violet"
4. Picture used in the page is the file "logo.jpg" and "mascot.jpg"
5. Table should have a border of width 1, background color of table should be "gray".
6. caption of the table "achievers" should be in red colour.
7. Photographs used in table are oly.jpg , pv.jpg, sm.jpg and dk.jpg .
8. Pages linked to :
  - [multi-sport event](#) as mse.html
  - [Rio de Janeiro](#) as rdj.html
9. Link [OlympicChannel.com](http://OlympicChannel.com)

#### Q4. Answer the following questions based on PHP:

- a) What are PHP Global variables- Superglobals ?Give Example. 2
- b) What are PHP cookies? What is the use of a php cookie? 2
- c) What is session ID? 2
- d) What are operators? 1
- e) Give output of the following statements: 3
  - i. Echo SUBSTR(TRIM("##Olympic#2016###"), 2, STRLEN("Sindhu"));
  - ii. Echo strrev (stripslashes("Deepa Karmaka/r"));
  - iii. Echo "today is " . date("M d,Y");

*Note here # indicate spaces*

#### Q5. Answer the following questions based on PHP:

- a) How is PHP Error Handling done? 1  
 b) Differentiate between passing arguments by value and by reference. 1  
 c) Find output 2

```
<? Php
$sum=0;
Echo ("The output is:" . "<br>");
  For($a=1; $a<=5; $a+=2)
  {
      Echo ($a . "<br>");
      $sum=$sum+$a*$a;
  }
Echo ("the final sum is : " . $sum);
?>
```

- d) Change the following script using while loop without effecting the output: 2

```
<?php
$arr=array(0,0,0,0,0);
For ($i=4;$i>=0;$i- -)
{
If($i%2== 0)
    $arr[$i]=$i;
Else
    $arr[$i]= $i * 10;
}
?>
```

- a) Write a program to read a text file named abc.txt and display the contents of the file after converting all the alphabets to lower case alphabets. 4

#### Q6. Answer the following questions based on JavaScript:

- a) Define BOM. 1  
 b) Use the following script to answer the questions that follow: 3

```
function Teachersday(sep5)
{
    p="good day Ma'am"
    Return("Happy teacher's day to all my respected mentors")
}

Var K=4
do
{
    Teachersday("good morning")
    Document.write("according to me this day should be celebrated as doubt
    classes day")
    K=K+5
}while (K<=10)
```

- (i) Name the global and local variable used in above script segment.  
 (ii) How many times will the function *teachersday* will be executed in the above script?

(iii) Write the output generated by above javascript code.

c) What will be the output of the following program

2

```
<html>
  <body>
    <script language =”javaScript”>
      Array1=[20,71,29,100,31,25]
      Array2=[“a”,”b”,”c”]
      Document.write(Array1.join(‘&’))
    </script>
  </body>
</html>
```

a. write the HTML CODE to generate the following

4

## Grade Calculating Machine

Enter your percentage

Your grade is

RESULT

write the javascript code to display the grade on the click of the RESULT button as

“A+” grade if percentage entered above 90

“A” grade if percentage entered above 80

“B+” grade if percentage entered above 70

“B” grade if percentage entered above 60

If the user enters percentage other than the above then “**Be brave**” message should be displayed.

**Q 7 :- Questions given below are based on Network:**

a. What is network? What is the goal of network?

2

b. Explain the following network security concepts.

firewall ,Crackers.

2

c. What is / are the disadvantage(s) of using *most* VR systems?

1

1. the simulators are of higher cost than their *real* counterparts.

2. addiction

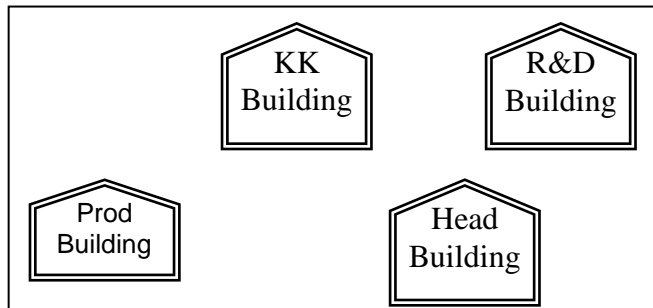
3. temperary nausea, dizziness

4. difficult to use

d. Mr. K. Gupta is an entrepreneur who has recently set up a new business. He needs to create a lot of documents, presentations, databases and spreadsheets to maintain data and spread his business. However, he does not have the money to purchase any of the proprietary software which offers all these packages. Can you suggest what software can Mr. Gupta use for which he has to pay no licensing fee?

1

- e. JCB Faridabad Industries has set up its new center at Ballabhgarh for its office and web based activities. The company compound has 4 buildings as shown in the diagram below:



Center to center distances between various buildings is as follows:

Prod Building to KK Building	10 m
R&D Building to KK Building	60 m
KK Building to Head Building	20 m
Head Building to Prod Building	7 m
R&D Building to Prod Building	25 m
Head Building to R&D Building	190 m

Number of Computers in each of the buildings is follows:

Head Building	10
KK Building	40
Prod Building	10
R&D Building	5

- 1) Suggest a cable layout of connections between the buildings. Also name the topology . 1
- 2) Suggest the most suitable building to house the server of this organisation with a suitable reason. 1
- 3) Suggest the placement of the following devices with justification: 1
  - (i) Internet Connecting Device/Modem
  - (ii) Switch
- 4) The organisation is planning to link its sale counter situated in various parts of the same city, which type of network out of LAN, MAN or WAN will be formed? Justify your answer. 1