Multimedia And Web Technology(Code 067)
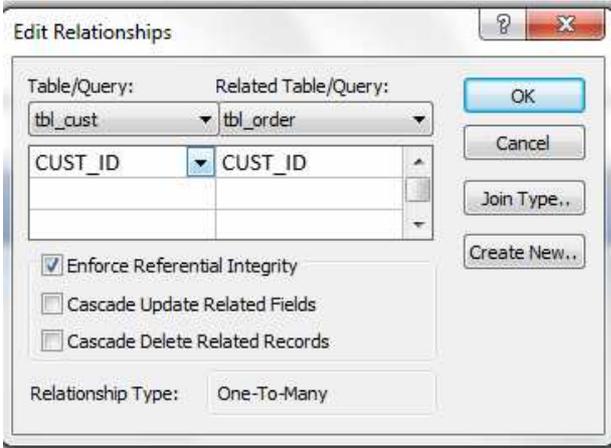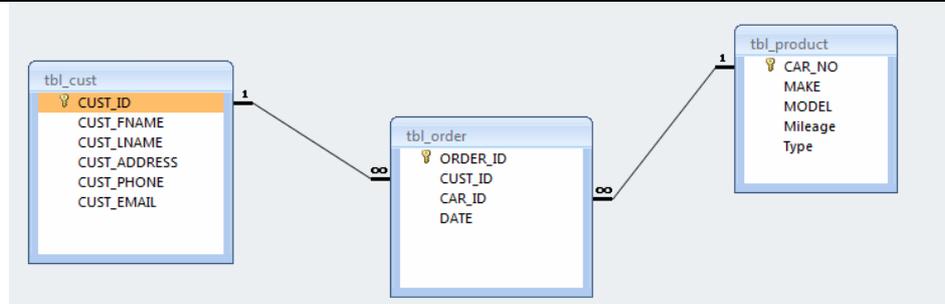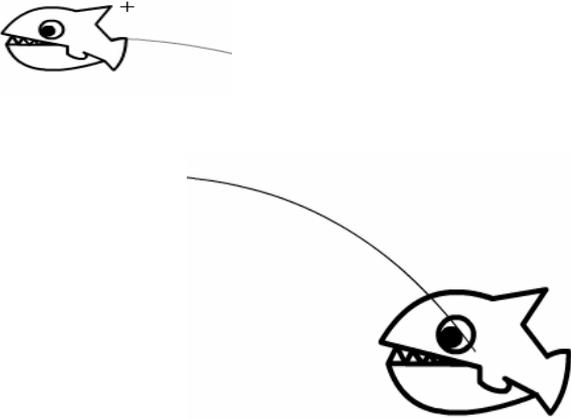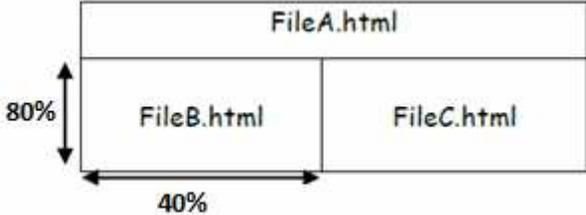## Sample Question Paper – Set II
Class XII (2015-16)

Max Marks :70   **Duration : 3 Hrs.**

1.	a)	What is a DBMS?	1
	b)	i) A part of the Microsoft Office suite that is used to create and manage databases ii) The view in which we can define each field in the table, associated data types and their input masks.	1
	c)	What do you understand by **"Enforce Referential Integrity"** given in the following diagram 	2
	D	Study the following data and answer the questions given below:	
		(i) What is the cardinality and degree of the following table **tbl_cust?**	1

<table>
<tr><th colspan="6">tbl_cust</th></tr>
<tr><th>CUST_ID</th><th>CUST_FNAME</th><th>CUST_LNAME</th><th>CUST_ADDRESS</th><th>CUST_PHONE</th><th>CUST_EMAIL</th></tr>
<tr><td>1</td><td>Gaurav</td><td>Sharma</td><td>143, Sanjay Gram,Sector-16, Chandigarh</td><td>8800937124</td><td>fantasticgaurav @gmail.com</td></tr>
<tr><td>2</td><td>Harsh</td><td>Singh</td><td>12,Officer's Colony, Sector-60,Ludhiana</td><td>9807652719</td><td>harsh.singh@gmail.com</td></tr>
<tr><td>3</td><td>Srotoswini</td><td>Singh</td><td>13,Iffco Colony, Near Iffco Office , Ooty</td><td>7980678968</td><td>singh.smart@gmail.com</td></tr>
</table>

		(ii) What type of relationship exists between table **tbl_car** and the table **tbl_cust**?	1

	(e)	What is the impact of changing Frame Rate of a movie?	1
	(f)	Rita is trying to make change in the movie. Though the content of layer on stage is visible but no changes can be done to it.What should she do so that she can make changes.	1
	(g)	Ms. Reena Sharma is planning to gift an animated digital card to her father on fathers day.She wants to include vector graphics, sound and video. But the size of the movie should be small even if it requires additional plug-in to play the movie. Which of the following formats are best suited for this purpose: (i) GIF (ii) JPEG (iii) SWF	2
2.		**Answer the following questions based on Macromedia Flash:**	
	a)	What is an Animation? Names two types of Tweening.	2
	b)	Explain the term stacking order of layers	2
	c)	What is a difference between Publishing and Exporting of a movie ?	2
	d)	Consider the figure given below and do as directed: The image on the right hand side shows the position and size of the image for frame 1. The image on the left hand side shows the position and size of the image for frame 25.	4
3.		**Answer the following questions based on HTML:**	

	a)	Fill in the blanks in the HTML code to create a framed web page in the following format:	2
	b)	Write the HTML code to generate a Web Page in the format given below : **Consider the following while writing the HTML code** 1. Title of the page should be "Save Girl Child" 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 "savegirl.jpg" 5. Table should have a border of width 1, border of table should be "green". 6. Background of first row is "yellow" and of second row is "cyan" 7. Pages linked to : At the National level as "national.html" At the State level as "state.html" At the District level as "district.html 8. Bottom message is of size 2 is linked to email-id savegirl@abc.com	8
4.		**Answer the following questions based on ASP:**	

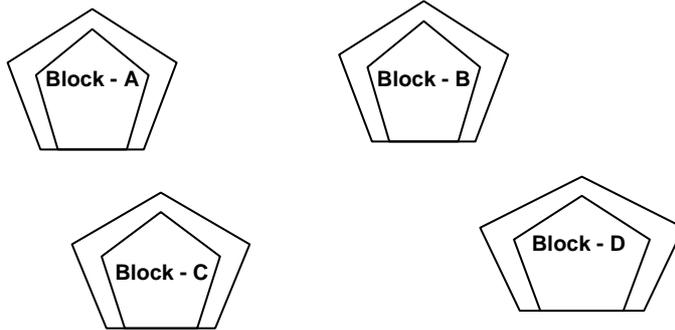|	a)	Use the following script to answer the questions that follow: `<!- - Start the script - - >` `<%` `DIM A` `A = 10` `DisplaySub` `Sub DisplaySub` `Show` `B = 20` `response.write("Displaying "&b&" ")` `Show` `END SUB` `SUB Show` `A=A+3` `response.write("Showing "&a&" ")` `END SUB` `%>` **(i) How many subroutines are used in the above code snippet? Name them.** **(ii) What will be the output of above asp code?**	2
	b)	Differentiate between ASP and HTML	2
	c)	Write a program to read a text file "exam.txt" and display the no. of spaces in the file.For example , if the content of the file exam.txt is **Failure will never overtake me if my determination to succeed is strong** Then the output of the program should be 11.	3
	d)	Find output 1. Response.Write(MONTHNAME(MONTH(CDATE ("01/03/2016")))) 2. Response.write(ucase(mid("encouragement",3,abs(31 mod 8)))) 3. Response.write(instr("Educate girl child" , "uc"))	3
5.		**Answer the following questions based on ASP:**	
	a)	What are the purpose of using the global.asa file ?	1

	b)	Observe the program segment given below carefully and fill the blanks marked as Line 1 of the server object and Line 2, Line 3 and Line 4 using methods of the RecordSet object for performing the required task.
		
		`<% DIM objConn, strConn, objRS`
		`SET objConn = Server. CreateObject("ADODB.Connection")`
		`strConn ="DSN=exam"`
		`objConn.OpenstrConn`
		`SET objRS = Server._____("ADODB.RecordSet") 'Line 1`
		`objRS.Open "Student", objConn, 2, 2`
		`-------------- 'Line 2 Move the cursor to the end of file`
		`-------------- 'Line 3 to Add a new blank record`
		`objRS("AdmNo") = Request.Form("AdmNo")`
		`objRS("Name") = Request.Form("Name")`
		`_____ 'Line 4to save the record in the database`
		`objRS.Close`
		`objConn.Close`
		`SET objRS = Nothing`
		`SET objConn = Nothing %>`
			4

	c)	Create an ASP file "**advertisement.asp**" to display different banner **advertisement** on the webpage. The ads to be displayed are stored in the file "**ads.txt**".The thickness of the border around the advertisement is 3 pixel.	3
	d)	Differentiate between counter and page counter	1
	e)	Differentiate between DSN and DSN-less connection	1
6.		**Answer the following questions based on VBScript:**	
	a)	Name the event that occurs when the mouse cursor is brought over an element on a web page.	1
	b)	**Rewrite the following code using the if. .then..else statement:** Select case choice Case 1 Document.write("Monday") Case 2 Document.write("Tuesday") Case 3 Document.write("Wednesday") Case else Document.write("Sunday") End select	2
	c)	Write a function using VbScript that allows two values to be passed to it and calculates the average of those two nos. and returns the result.Use the function to calculate average of 3,5.	3

	d)	Create a form that contains two textbox options and radio button with two options as shown below First Name [_____] Last Name [_____] Gender ○ Male ○ Female [Show Me] When the user clicks on any of radio buttons, the message should be displayed according to selected gender. For Example if the First name entered by user is **Neeraj** and Last Name entered by user is **Singh** the following message should be displayed according to the selected Gender <table><tr><td>Gender</td><td>Message</td></tr><tr><td>Male</td><td>Hello Mr.N.Singh. Welcome to our website.</td></tr><tr><td>Female</td><td>Thank You Ms N.Singh for visiting the website.</td></tr></table> Write the **HTML** code for creating the form and the embedded VBScript code for the click events of the button.	4
7.		**Answer the following questions based on Communication and network concepts**	
	a)	The doctors in the same room have connected their Palm Tops using Bluetooth for exchanging views about a patient. Out of the following **what kind of network** they have formed? LAN, MAN, PAN, WAN	1
	b)	Differentiate between **Propriety** and **Open Source Software**.	2
	c)	Monica is interested in transferring few Songs from her mobile phone to Sangeeta's mobile phone. Suggest two suitable wireless options she may opt for to do the same.	1
	d)	Give the full form of (i)FTP (ii)HTTP	1
	e)	Which of the following comes under cyber crime a) Photocopying a printed report b) Working on someone's computer with permission c) Operating someone's Internet Banking Account to withdraw money.	1

d)	The Tangy FlovoursPvt. Ltd has set up its new centre at Karnatka for its office and web based activities, it has 4 blocks of buildings as shown in the diagram below :	4

The distances between the different blocks are given below :

Block A to Block B	70 m
Block B to Block C	180 m
Block C to Block D	60 m
Block A to Block D	80 m
Block B to Block D	40 m
Block A to Block C	110 m

Number of computers

Block A	35
Block B	60
Block C	140
Block D	1

Answer the following questions based on the above given information :

(i) Suggest suitable cable layout(s) for connecting the blocks.

(ii) Where do you think the server should be placed and explain why ?

(iii) Which of the following communication media , will you suggest to be procured by the company for connecting to a new branch office in New Delhi for very effective and fast communication ?
- Ethernet cable
- Optical fiber
- Telephone cable

(iv) Where and why should repeaters and hub/switch be used ?