CLASS XII
GUESS PAPER
MULTIMEDIA & WEB TECHNOLOGY

Time : 3 Hrs   **Marks: 70**

General Instructions :
- All questions are compulsory
- Marks are indicated against each question
- Please write down the correct serial number of the question before attempting it.

Q.No.	Question(s)	Marks
Q1 A	Observe the table Events of a Database named Sports given below carefully and answer the questions that follow: <table><tr><td>Sno</td><td>Sport</td><td>Date</td><td>Venue</td><td>State</td></tr><tr><td>1</td><td>Cricket</td><td>23-12-2016</td><td>ICC Club Ground</td><td>Hariyana</td></tr><tr><td>2</td><td>Football</td><td>24-12-2016</td><td>FTB Ground</td><td>Rourkee</td></tr><tr><td>3</td><td>Table Tennis</td><td>25-12-2016</td><td>TNB Hall</td><td>Indore</td></tr><tr><td>4</td><td>Badminton</td><td>11-01-2017</td><td>BMT Court</td><td>Bhopal</td></tr><tr><td>5</td><td>Rugby</td><td>12-01-2017</td><td>US Stadium</td><td>Patiala</td></tr><tr><td>6</td><td>Tennis</td><td>13-01-2017</td><td>NDPS Tennis Court</td><td>Indore</td></tr></table> (i) Keeping the above data in mind, suggest two different types for "Sno" field. (ii) What is the cardinality of the table Events? (iii) Which attribute can act as a primary key for the table Events? (iv) If the columns Venue and State are to be separated and created in another table (Location) from the table Events, name one essential column which is to be created in table Location along with Venue and State. (v) What kind of relationship exists between Location table and Events table	5
Q1 B	Which of the following Symbol cannot be given instance name in flash? (i) Movie Clip (ii) Graphic (iii) Button	1
Q1 C	Differentiate between Static and Dynamic Text in Flash.	1
Q1 D	Which of file format doesn't contain animation? (i) SWF (ii) GIF (iii) JPG	1
Q1 E	Define Keyframe.	1
Q1 F	Which form(s) of digital media uses file formats with the abbreviations JPEG, PNG and TIFF? (i) Images (ii) Photographs (iii) Video (iv) Audio	1
Q2 A	Expand the following : (i) AVI (ii) TIFF	1
Q2 B	Rashi is a trainer who trains driving a car to her students using simulated car driving environment. Which of the following multimedia technology will help her achieve this : (1) Video Telephony (2) Virtual Reality (3) Video Conferencing	1
Q2 C	What is the role of mask layer? How to create mask layer?	2
Q2 D	How to export movie created in flash?	2
Q2 E	Consider the figure given below and do as directed:	4

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

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

Q3 A	Write HTML code to create a framed webpage in the following format: • The page divided into two frames horizontally • The top frame is 25% of the page width and displays File A.html • The bottom frame is 75% of the page width and displays FileB.html FILE A.html File B.html	2
Q3 B	Write the HTML code to generate a Web Page in the format given below **National Mathematics Day in India** Date in the current year: <u>December 22, 2016</u> National Mathematics Day in India is celebrated on December 22. It commemorates the birth anniversary of Srinivasa Ramanujan, an Indian mathematician who made significant contributions to several fields of mathematics. <u>**Born**</u> 22 December 1887 Erode, Madras Presidency, British Raj (now Tamil Nadu, India) <u>**Died**</u> 26 April 1920 (aged 32) Kumbakonam, Madras Presidency, British Raj (now Tamil Nadu, India). He was an Indian mathematician and autodidact who lived during the British Raj. Though he had almost no formal training in pure mathematics, he made substantial contributions to mathematical analysis, number theory, infinite series, and continued fractions.	8

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The Ramanujan Welfare Society will hold a series of activities in 2016 to mark the birth anniversary of the mathematician

The activities involve different sections like :

• School Goers
• College Students
• Research Fellows

Event	Details
Opening Ceremony	Innaguaration by PM
Activities	Talks and activities would focus on helping students get rid of their fear of the subject and improve their skills.
Closing Ceremony	International Conference at New Delhi

For more details contact ramanujsociety.in

	Consider the following while writing the HTML code • Background of page is Silver • Title of the page is "National Mathematics Day" • Text of whole document is verdana •Image used is "ramanuj.jpg" • border of table is green and of size 2 • background colour of table is white • Horizontal line colour is red • Use the concept of unordered list • Bottom link is "www.ramanujsociety.in"	
Q4.	Answer the following questions based on PHP.	
Q4 A	Name any two servers through that one can execute server side script.	1

Q4 B	Write the output of the given code:
	`<?php`
	`$f=1;`
	`$i=1;`
	`do {`
	`  $f=$f*$i;`
	` $i=$i+1;`
	` }while($i<=5);`
	`echo($f);  ?>`
		2

Q4 C	Explain with an example the difference between "==" and "===" operator.	2
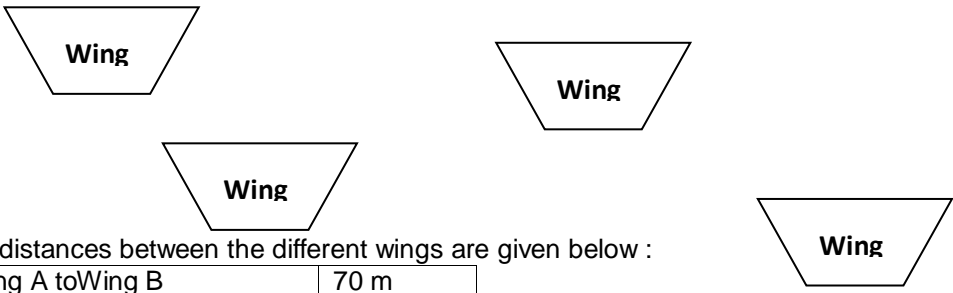
Q4 D	Use the following script to answer the questions that follow:
	`<?php`
	`$A=10;`
	`function Fun()`
	` {global $A;`
	`    $A=$A+20;`
	` }`
	`echo $A; //statement 1`
	`Fun();`
	`$A=$A+10;`
	`echo $A; //statement 2`
		2

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	?>
	     (i) What is the scope of variable $A
	     (ii) What will be value printed by Statement 1	

Q4 E	Give output of the following statements:
	i) echo 20-4*4%7+3;
	ii) echo ltrim('Excellence', 'ce');
	iii) echo date('Y-m-d',strtotime('21-12-2016'));
		3

Q5	Answer the following questions based on PHP.	
Q5 A	How is session created in PHP?	1
Q5 B	Following is the code to count no. of letters from a text file. Fill in the blanks so that this code can work: `<?php` `$c=0;` `$ch='';` `$f =_____("file1.txt", "r");` `while(!_____($f))` `{` `$ch = _____($f);` `$c=$c+1;` `}` `echo "no. of letters". $c. " ";` `_____($f);` `?>`	2

Q5 C	Rewrite the following code after removing errors with each correction underlined.
	`<?`
	`$s=0;`
	`a=12345;`
	`do`
	`$t=$a%10;`
	`$s=$s+$t;`
	`$a=$a/10;`
	`}`
	`repeat($a>0);`
	`echo $s;`
	`?>`
		2

Q5 D	Name the built-in functions to be used in the following situations:
	  (i) To get the part of string from a given string for example
	     $s=_____("Versatile",3,3); will return "sat" in $s
	(ii) To sort an array in descending order.
		2

Q5 E	Create a form to accept the name two times from the user as input as shown. Write PHP code to generate the output shown below.	3

	 Enter Name [_____] Enter the text Re Enter Name [arun] [Check] Enter Name [arun] Re Enter Name [_____] Enter the text [Check] Enter Name [arun] Re Enter Name [arun] [Check] Both are equal (i) If user leaves either of the text boxes blank it should display the message "Enter the text" (ii) When both the names are equal it should display "Both are equal" and when unequal it should display a message "Both are unequal"	
Q6.	**Answer the following questions based on JavaScript:**	
Q6 A	Name the function used to calculate length of a given string in javascript.	1
Q6 B	What is the role of break in switch..case statement?	1
Q6 C	Rewrite the following javascript code using do..while loop `<script language= "javascript">` `var a,b=1,c;` `a=-1;` `while(a<=20)` ` {` `c=a+b;` `document.write(c+" " );` `a=b;` `b=c;` `}` `</script>`	1
Q6 D	Write conditional expression for the following using relational and/or logical operators: (i) A is less than B (ii) Age is greater than or equal to 18 (iii) Marks ranging from 0 to 100 (iv) Age is greater than 25 and Experience is greater than 3 Assume A, B, Age, Marks and Experience as variables.	2

Q6 E	Give the output of the following code segment:
	`<script language= "javascript">`
	`var a,b;`
	`b=10;`
	`a=10;`
	`if(a%3)`
	`   b=a++;`
		2

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	else
	   b=++a;
	document.write(a);
	document.write("<br>" + b);
	</script>	

Q6 F	Write the code to display a form along with the javascript as shown below. User should be able to change the colour of Text "Multimedia" as per the selected option button for Red/Blue/Green after clicking Show button Select Colour ○ Red ○ Green ○ Blue [Show] Multimedia	3
Q7	**Answer the following questions based on Communication and network concepts:**	
Q7 A	One of your friends is facing problem in creating a document as he is not having any proprietary software to create a formatted word document. Suggest your friend any one Free and Open Source software through which he can create a formatted word document.	1
Q7 B	Write any two advantages of using coaxial cable over twisted pair cable.	1
Q7 C	What are the following software used for? (i) Apache Tomcat (ii) MySQL	2

Q7 D	Name the protocol used for :
	   (i) To download and upload files from internet.
	   (ii) To open a website on a web browser.
		2

	An Organization has its offices in building A, B, C and D. Answer questions (i) to (iv) in context of the following layout of the four offices: Wing Wing Wing Wing The distances between the different wings are given below : | Wing A toWing B	70 m
Wing B to Wing C	180 m
Wing C to Wing D	60 m
Wing A to Wing D	80 m
Wing B to Wing D	40 m
Wing A to Wing C	110 m | Number of computers | Wing A	35
Wing B	60
Wing C	1
Wing D	140 | (i) Suggest suitable cable layout(s) for connecting the blocks. (ii) Where do you think the server should be placed and explain why?	4

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(iii) Where should repeaters and hub/switch be used ?
(iv) Suggest the type of cable that should be used if the organisation wants to send large amount of multimedia files and requires fast access.

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