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Code Number 67/1



**INDIAN SCHOOL MUSCAT**  
**FIRST TERM EXAMINATION**  
**MULTIMEDIA AND WEB TECHNOLOGY**

CLASS: XII  
 30.04.2018

Sub. Code: 067

Time Allotted: 3 Hrs  
 Max. Marks: 70

**Instructions:**

1. All the questions are compulsory
2. Read the Question carefully and write the Answer

- Q1.
- a) How primary key is different from Unique key? Explain. 2
  - b) How Degree is different from Cardinality? Explain. 2
  - c) Write the names of any two RDBMS. 2
  - d) Identify the Primary key and type of the following fields in the table MASTERDETAILS.GRnumber, Name, Class\_sec, Marks 2
  - e) Explain one-to-many relationship. 1
  - f) How ALTER command is different from UPDATE command? Explain. 2
  - g) 1) What is the degree and cardinality of tbl\_cust. 2

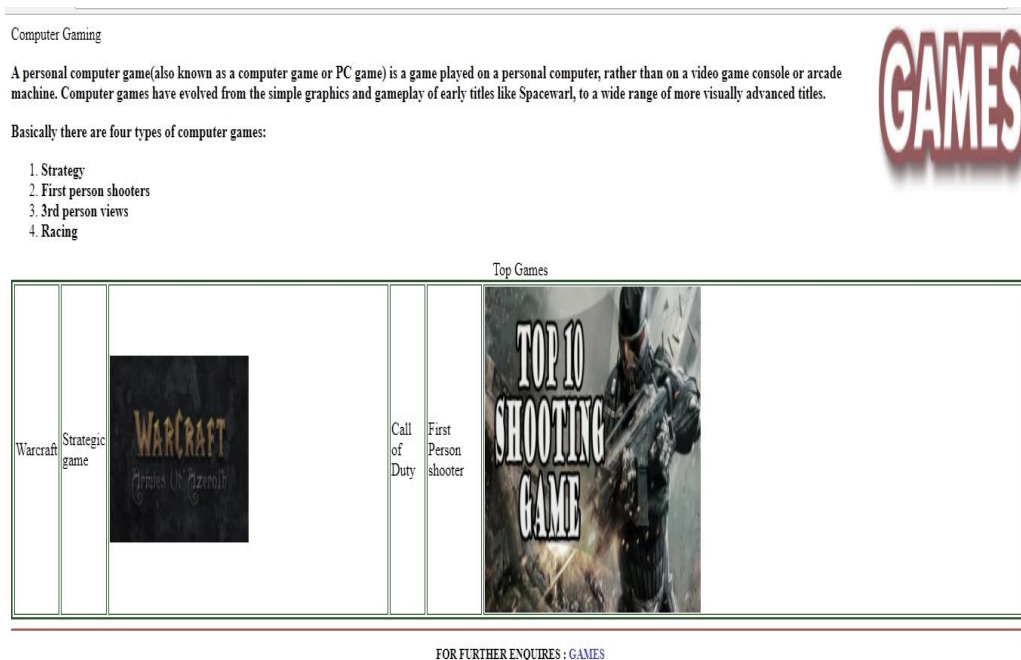
tbl_cust					
CUST_ID	CUST_FNAME	CUST_LNAME	CUST_ADDRESS	CUST_PHONE	CUST_EMAIL
1	Gaurav	Sharma	143, Sanjay Gram, Sector -16, Chandigarh	8800937124	fantasticgaurav@gmail.com
2	Harsh	Singh	12, Officer's Colony, Sector-60, Ludhiana	9807652719	harsh.singh@gmail.com
3	Srotoswini	Singh	13, Iffco Colony, Near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

2) Identify the data type of CUST\_PHONE and CUST\_EMAIL

- h) How CHAR data type is different from VARCHAR? Explain. 2

- Q2. a) How container tags are different from Empty tags? Explain with an example. 3
- b) Explain the following tags with an example. 4  
 1)<IMG>2)<TD> 3)<TR> 4)<B>
- c) What do you understand by Ordered List and Unordered List? Explain with an example. 3
- d) What is wrong in the following HTML code? Rewrite the correct code after identifying the errors. 3  

```
<html><title><head>
Test Message</title></head>
<body background="BLUE">
<font style=Times new roman"> TEST</font></body></html>
```
- e) How <BR> tag is different from <HR> tag? Explain with an example. 2
- f) Write a HTML code to develop the following web page as per the given instructions. 10



**Consider the following while writing the HTML code**

1. Background of page is yellow
2. Title of the page is "gaming"
3. Text of whole document is verdana
4. Heading of the page is maroon and arial bold
5. Image used is "image1.jpg"
6. border of table is green and of size 2
7. background colour of table is white
8. Image used in the table is "war.jpg" and "call.jpg"

9. Horizontal line colour is red  
10. Bottom link is "game.html"

- g) How Colspan is different from Rowspan ? Explain with an example. 2
- h) How <BASEFONT> is different from <FONT>?Explain. 2
- i) What is the use of <CAPTION> tag in HTML? Explain with an Example. 2
- j) Write a HTML code to create the following List. 3

1. Item 1
  - a. Item 1.1
  - b. Item 1.2
    - i. Item 1.2.1
    - ii. Item 1.2.2
    - iii. Item 1.2.3
2. Item 2
3. Item 3
  - a. Item 3.1
  - b. Item 3.2

- k) What is the use of CELL SPACING and CELL PADDING? Explain with an example. 2
- l) Write a HTML code to generate the following form. 4

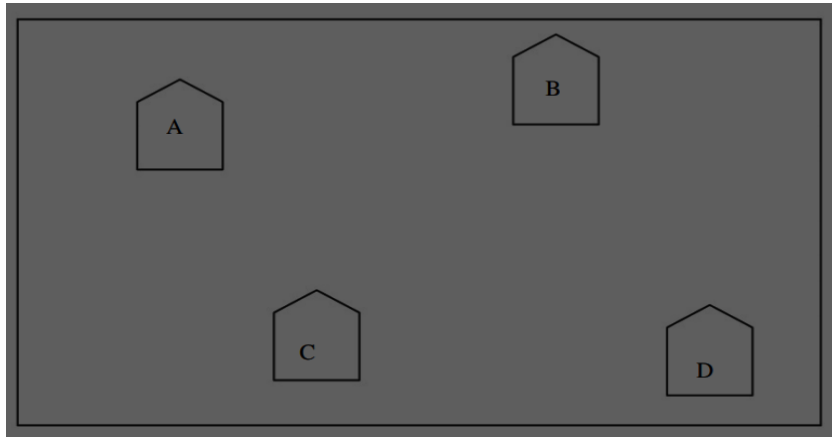
**The list Attribute**

The list attribute refers to a **datalist** element that contains pre-defined options for an input element.

Internet Explorer  
Firefox  
Chrome  
Opera  
Safari

**Note:** The **datalist** tag is not supported in Internet Explorer 9 and earlier versions, or in Safari.

- Q3.
- What is the use of Repeater and Switch ?Explain. 2
  - Define LAN , MAN and PAN 2
  - Write any two advantages of using optical fiber cable over coaxial cable and twisted pair cable. 2
  - An Organization has its offices in building A, B, C and D. Answer questions (a) to (d) in context of the following layout of the three offices: 4\*2=8



Centre to Centre distances between different buildings are as follows:

Block A to Block B	100 m
Block A to Block C	70 m
Block A to Block D	20 m
Block B to Block C	150 m
Block B to Block D	120 m
Block C to Block D	140 m

Each of the above buildings has following number of computers

A	65
B	30
C	25
D	40

- Suggest and draw the layout for a network, with proper justification to connect all the office
- Where would the following preferably be placed
  - Hub/Switch
  - Repeater

- (iii) Suggest the most suitable place to house the server for the organization with proper justification.
- (iv) If the organization needs to link up to a branch office which is in a neighboring city, (around 100 km distant) suggest the best type of cabling connection, from the building hosting the server, provided price is not a factor.
- e) Girish Ramanuj is an entrepreneur who has recently set up a new business. Girish 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 Girish use for which he has to pay no licensing fee?

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**End of the Question Paper**