

GULF SAHODAYA EXAMINATION SAUDI CHAPTER-2014

SUB: INFORMATICS PRACTICES
Class : XI

Time allowed : 3 hours
Max. Marks : 70

1.
 - a. What is the function of a bus? [1]
 - b. Differentiate between single user and multi user operating system. [2]
 - c. what do you mean by BIOS ? [1]
 - d. write any four safety measure you follow to protect your computer. [2]
 - e. What is cyber crime? Give four examples. [2]
 - f. Write one difference between virus and worms. [1]
 - g. Name two UTILITY software . [1]

2.
 - a. Which property of palette ListBox is used to enter the list of items while working in NetBeans. [1]
 - b. What is the difference between the use of JTextField and JPasswordField? [1]
 - c. Name the method to display a specified message in a dialog box. [1]
 - d. What is the purpose of break statement in a switch statement ?
Give suitable example to illustrate the same [2]
 - e. Rewrite the following **while** loop into **for** loop [2]

```
I=0, sum =0;  
while(I <20)  
{  
    sum += I ;  
    I = I +2 ;  
}
```

- f. Write Java code for the following : [4]
 - i. Write Java code that takes value of Temperature in Celsius in jTextField1 and convert it into Fahrenheit And display it in jTextField2
 - ii. Write Java code that takes value for a number (n) in jTextField1 and cube (n*n*n) of it to be displayed in jTextField2.

3.
 - a. What will be the content of jTextField1 , jTextField2 and str1 after the execution of the following statements.

- i. `TextArea1.setText("WORK\t MORE\n GETMORE");` [1]
- ii. `int Num = 6;` [1]
`Num = Num + 1;`
`if (Num > 5)`
`TextField1.setText(Integer.toString(Num));`
`else`
`TextField1.setText(Integer.toString(Num+5));`
- iii. `String str1, str2;` [2]
`str1 = " dear friend";`
`str2 ="Hello";`
`str1 = str2.concat(str1);`
- b.
- i. Rewrite the following program code using a Switch statement. [2]
`if (code ==1)`
`Day = "Monday" ;`
`else if (code == 2)`
`Day = "Tuesday" ;`
`else if (code ==3)`
`Day = "Wednesday" ;`
`else if (code == 4)`
`Day = "Thursday" ;`
`else`
`Day = "No Match" ;`
- ii. What will be the displayed in `TextField1` and `textfield2` after the execution of the following code. [2]
- ```
int last , first=3, second = 5;
last = first + second ++;
Jtextfield1.setText(Integer.toString(last));
Jtextfield2.setText(Integer.toString(second));
```

C.  
 An electronic shop has announced the following seasonal discounts on the purchase of certain items.

| Shopping amount | Discount on TV | Discount on music system |
|-----------------|----------------|--------------------------|
| 0-25000         | 5%             | 10%                      |
| 25001-50000     | 10%            | 20%                      |
| More than 50000 | 15%            | 30%                      |

# SHOPPING MALL

ITEMS

TV

MUSIC SYSTEM

ENTER SHOPPING AMT

DISCOUNT

NET

CLEAR ALL      CALCULATE      EXIT

Write the java code for the following:

- i. Compute discount and print the net amount to be paid by a customer on click of command button "CALCULATE" based on the above table .  
 [Hint: Discount = ( Discount rate / 100) \* shopping amount  
 Net amount = shopping amount - discount).] [4]
- ii. To clear all text fields on click of command button CLEARALL [1]
- iii. To stop the execution and exit from application on the click of command button EXIT [1]

4.

- a. What is the keyword is used to eliminate redundant data ? [1]
- b. What is the difference between CURDATE() and DATE() functions? [1]
- c. Define alternate key? [1]
- d. What is DBMS? [1]
- e. What is primary key? Explain with example. [2]
- f. Differentiate between DDL and DML commands in MySQL [2]

5.

- a. Write the output that the following statements will produce : [4]
  - i. SELECT ROUND(7.3456, 2);
  - ii. SELECT DAYOFMONTH('2009-08-25');
  - iii. SELECT MONTH('2010-02-26');
  - iv. SELECT RIGHT('Informatics', 4);
- b. Write MySQL statement for the following :
  - i. Using the three separate words "We," "study," and "MySQL," [1]  
 produce the following output: "We study MySQL"

ii. Use the string "Internet is a boon" and extract the string "net". [1]

iii. To create the following Table student [2]

| Name of the column | Type    | size |
|--------------------|---------|------|
| Name               | Char    | 20   |
| Rollno             | Integer | 4    |
| Class              | Char    | 4    |
| Dob                | date    |      |

c. Name the MySQL command for the following purpose: [4]

- i. To delete only rows
- ii. To add a new column
- iii. To add a new rows
- iv. To change values in a data base.

6

a. Consider the following table FITNESS with details about fitness products being sold in the store. Write SQL commands for (i) to (vi) [6]

Table FITNESS

| CODE | NAME                | PRICE | MANUFACTURE |
|------|---------------------|-------|-------------|
| 1    | Treadmill           | 21000 | Coscore     |
| 2    | Bike                | 20000 | Aone        |
| 3    | Multi gym           | 14000 | Reliable    |
| 4    | Massage chair       | 5500  | Regrosene   |
| 5    | Belly vibrator belt | 6500  | Ambaway     |
| 6    | Treadmill           | 22000 | Abc         |

- i. To display all products with price more than 20000
- ii. To display the names all products by manufacture "Aone".
- iii. To change the price of all products by applying 25% discount reduction
- iv. To add new row for product with details:  
7, "VIBRO EXCERCISER", 28000, "XYZ"
- v. To display whole table in descending order of price
- vi. To show all products whose name starts with "T"

b. Write the output of the following based on the table FITNESS [4]

- i. Select \* from fitness where price between 2000 and 22000
- ii. Select distinct name from fitness;
- iii. Select price from fitness where price <10000;
- iv. Select \* from fitness where manufacture = "Abc";

7.

a. What social impact does e-Governance have on society? [1]

b. Write two important features of e-Business.

Give two most commonly used e-Business sites. [2]

b. What is the impact of e-Learning sites on students learning process?

Give any two e-learning sites [2]