

GULF SAHODAYA (SAUDI CHAPTER) EXAMINATION 2015-16

Subject : Informatics Practices
Class : XI

Time allowed : 3hours
MM: 70

- 1 a) 10 GB = _____ KB (1)
b) Define Biometric Sensors. (1)
c) Give examples of different Language processors (1)
d) What is Disk De-fragmentation ? (1)
e) Why is it necessary to use ROM in a computer ? (1)
f) What is meant by spyware? (1)
g) What is the function of Bus ? Name different types of it (2)
h) Give classification of Application software. (2)
- 2 a) Is a string containing a single character same as char? Give reason. (1)
b) What will be displayed in JTextArea1 after the following statement (1)
`JTextArea1.setText("Live\nIn\tpPeaceAnd\nHarmony");`
c) What are the limitations of switch case statement? (1)
d) Rewrite the following code using for (2)

```
int a = 2 , b = 10 , ans = 1;
while ( b >= a ) {
    ans = ans * a ;
    b -- ; a + = 1;
}
System.out.print(ans);
```


e) Write a java statement for the following (2)
if sum is equal to 10 and total is less than 20 , print the text "correct" otherwise "incorrect"
f) What will be displayed in jTextField1 and jTextField2 in the following code (2)

```
int Last , First = 10 , Second = 12 ;
Last = ++ First + Second -- ;
JTextField1.setText( Integer.toString(Last+2)) ;
Second-- ;
jTextField2.setText(Integer.toString( Second+2)) ;
```


g) Define Exception handling. (1)
- 3 a) Rewrite the following after removing the errors (Underline corrections made) (2)

```
int i , j , sum = 0;
i = 1 , j = 2 ;
if ( i > 0 and ( j > 1)
    sum + = i ;
System.out.print ( " SUM= + sum);
```


b) How is an iteration statement beneficial in java ? (1)
c) Mr. Jay is not able to differentiate between `v == 5` and `v = 5` in java programming. (1)
Help him for it.
d) Find the output of the following code. (2)

```

int x, y;
x = 5; y = 1;
while (x > 0)
{
    x = x - 1;
    y = y * x;
    System.out.println(y);
}

```

e) What is a compound statement ? Give example. (1)

f) A user is designing a frame in Netbeans containing TextArea. Help him in writing suitable java statement to add specified text to the end of the text area named "jTextArea1". (1)

g) How many times the following loop gets executed ? (1)

```

int A = 1, Prod = 1;
do
{
    Prod = Prod * A;
    A = A - 1;
} while (A > 20);

```

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

Purchase Amount In Rs	Discount on TV	Discount on Music System
10000-30000	10%	20%
30001-40000	15%	30%
More than 40000	20%	40%

Amount of Purchase(AmtPrTF) and the type of Purchase (TV or Music System using RdT or RdM) entered by a customer. Write the code for the following

i) To set amount of purchase as zero and clear discount(DiscTF), Net Amount(NetAmtTF) (1)

ii) To compute and print the discount and net amount to be paid by the customer as per the above condition when CALCULATE button is pressed (3)

i) Clause

ii) NOT

b) State the difference between update and alter table command with example. (2)

c) A person is working for a table Games, he writes the following statement (1)

Select GCode , GName as " Game Name " from Games ;

Write the purpose of the statement ?

d) Name the command which is used to select values based on a list in a table? (1)

e) What does the Modulus arithmetic operator do ? Define with example (1)

f) Ankita is writing the following query in Mysql but she is not getting the desired result. Help her to write the correct form of it. (1)

Select * from Bank where CName = '%G%' and Balance = NULL ;

g) Mr. Amit wants to change the city name "Madras " to "Chennai " in the "City" column in the ' Location ' table, Write the statement for it. (2)

h) Akhil has created a table " Author" in a database named Library. He wants to view the name of columns along with data type and constraints. Write the statement for it. (1)

5 a) Write the output of the followings: (2)

(i) Select round(219.84,-2) + round(- 1.23);

(ii) Select right(ucase('functions in mysql'),5);

b) Write a command (2)

i) To extract the string "logy" from the string "Information Technology"

ii) To remove trailing spaces of string "SQL Commands "

c) Consider a table "COACH" whose structure is given below:

Table : COACH

FieldName	DataType	Size	Constraint
Coach_Id	Integer	4	Primary Key
CoachName	Varchar	20	
Date_join	Date		
Fee	Integer	4	NOT NULL

Write the commands in SQL queries for the following

i) To create the above table (2)

ii) To insert a new column "Mobile_No " of integer data type with size 6 (1)

d) What is meant by wild card characters ? Give example (2)

I_Code	I_Name	UnitPrice	Quantity(Kg)	Date_Purchase	Status
1	Rice	52.50	80	2011-02-01	
2	Wheat	25.40	50	2010-03-09	N
3	Corn	50.80	100	2011-03-11	Y
4	Semolina	28.90	50	2010-01-15	N

- a) Suggest a primary key of the table ,state the reason. (1)
- b) Mention the degree and cardinality of the table if 2 more records are added and 1 attribute is deleted (1)
- c) Write the commands in SQL queries for the following (6)
- i) Display all the item Names that were purchased on 2010
 - ii) Display status and name of the items having unit price more than 50 arranged in reverse order of quantity.
 - iii) Add a new row with following details
5 , Sugar , 45.10, 60 ,2010-03-10, Y
 - iv) Display purchase date of all the items whose name contains 4 characters.
 - v) Display a report listing name of item and Total Price .
(Total Price = UnitPrice x Quantity)
 - vi) Increase the price of all the items by 10 whose status is given.
- d) Write the output of the following (2)
- i) select MID(I_Name,2) , I_code from Store where Status ='N';
 - ii) Select LENGTH(I_Name) , UnitPrice from Store where Quantity >=80 and price>50;
- 7
- a) How does e-governance help in reducing corruption ? Write two points. (2)
 - b) What are main features of a good GUI ? (1)
 - c) Write most appropriate controls for the following (2)
 - i) Submit the form
 - ii) To enter Feedback in the form of a paragraph
 - iii)To select citizenship
 - iv) Choose type of account (Saving or Current)