ANNUAL EXAMINATION
CLASS: XI
Subject: Informatics Practices (065)

Time allowed: 3 hours   **(Set- B)**   *Maximum Marks: 70*

Note: Read the instructions
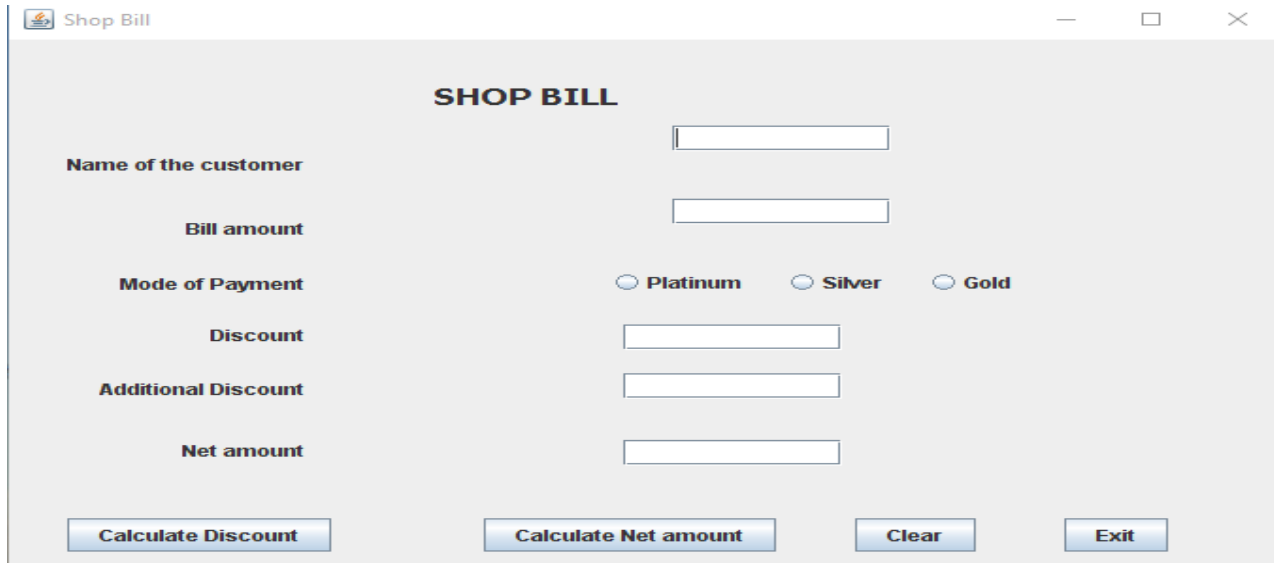
1. *Attempt all the questions.*

2. *Attempt questions in sequence.*

Q1.	**ANSWER THE FOLLOWING QUESTIONS**	**1**
(a)	What do you mean by Port? Name any 1 port	
(b)	Explain benefits of e-Waste Recycling?	**2**
(c)	Explain the use of following i) Pointing device ii) RAM	**2**
(d)	Write the full forms of the following terms : (i) BCR (ii) LCD (iii) CD-ROM (iv) OMR	**2**
(e)	Which of the following are Input devices :	**1**
	(i) Scanner (ii) Printer (iii) Mouse (iv) Keyboard (v) OCR (vi) plotter	**2**
(f)	What do you mean by output devices. Define any any two	

Q2. Answer the following.

(a) Differentiate between Exit controlled loops and entry controlled loops of java   **2**

(b) What do you mean by term literals and write its types   **2**

(c) What is the limitations of switch statement over If statement of java   **1**

(d) Differentiate between getText() and getPassword()   **1**

(e)Write a java program to display Even numbers between 2 to 24   **2**

(f) Name two methods associated with JComboBox   **1**

(g) Differentiate between isVisible() and setVisible() methods of java.   **1**

Q3. Write code for the following:

a.   To obtain a number from user and display its factorial using do-while loop   **2**

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b. Observe the following interface and write java code:- **8**

Mr Thakur the owner of the Aditya Land Enterprises has asked his programmer Rita to develop the following GUI in Netbeans: He accepts payment through three types of credit cards. The discount is given to the following scheme:

Type of Card	Offer
Platinum	20% of amount
Gold	15%of amount
Silver	10%of amount

If the bill amount is more than Rs 25,000, then the customer gets an additional discount Of 5%. Write Java code for the following

(i) To assign Additional Discount as 0 (jTextField4) and Net Amount as 0(jTextField5),Also set them as Un-editable.

(ii) To calculate discount as per the given criteria above and display the same in jTextField3.

To assign Additional discount(jTextField4)as 5%of amount (jTextField2)as per the above condition.

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(iii) To enable "Calculate Net amount"(jButton2)button.

(iii) When jButton2 is clicked. To calculate Net Amount as TotalCost(jTextField2) -

Discount(jTextfield3)- additional Discount(jTextdfield4).To display the Net Amount in jTextfield5.

(iv) Write the code to close the application.

Q4. Answer the following questions.

a) What will be content of jTextField1 after executing the following code.   **1**
```
int num=10;
num=num-2;
if(num>8)
jtextfield1.settext(integer.tostring(num+10));
 else
jtextfield1.settext(integer.tostring(num-10));
```

b) Evaluate the following java expression:-   **2**

i) A= - - k +2*k+(i=k, l++) if k is initially 20

ii) 6> 9 ‖ 16 <14

c) The following code has some error(s). Rewrite the correct code underlining all the corrections made.   **2**
```
int i=2; j=5;
while j>i
{
jtextfield1.gettext("j is greater");
 j--;
 ++i;  }
JoptionPane.showMessageDialog("Hello");
```

d) Rewrite the following program code using switch statement.   **2**
```
If(d==1)
Day="Monday";
else if(d==2)
Day="Tuesday";
else if(d==3)
Day="Wednesday";
Else
 Day="-";
```

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e) How many times will the following loop get executed and what will be the final
value of the variable I after execution the loop is over. **2**

```
int I = 5;
do {
   I += 3;
   System.out.println("I  = "+I);
   I = I + 1;  }   while (I >= 9);
```

f) Differentiate between Run time error and compile errors **1**

Q5. A) Observe the table given below and answer the queries (table: - furniture) **5**

NO	ITEM_NAME	TYPE	DATEOFSTOCK	PRICE	DISCOUNT
1	White Lotus	Double Bed	2002-02-23	3000	25
2	Pink feathers	Baby Cot	2002-01-29	7000	20
3	Dolphin	Baby Cot	2002-02-19	9500	20
4	Decent	Office Table	2002-02-01	25000	30
5	Comfort zone	Double Bed	2002-02-12	25000	30
6	Donald	Baby cot	2002-02-24	6500	15
7	Royal Finish	Office Table	2002-02-20	18000	30
8	Royal tiger	Sofa	2002-02-22	31000	30

(a) Create above table with some integrity constraints (like Primary key, Not Null)

(b) To show all the information about the Baby cots from the furniture table.

(c) To list the itemname which are priced at more than 15000 from the furniture table.

(d) To list itemname and type of those items, in which dateofstock is less than 2002-02-01 from the furniture table
in descending order of itemname.

(e) Display the information of those item_names which name ends with letter "t".

B) Define following terms using examples: **5**

i) Degree   ii) Foreign key   iii)   Distinct iv) Comments   v) Alter table

Q6. Write the queries for the following: (1*10=10) **10**

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a) How to view the structure of table furniture
b) Explain check constraint
c) Differentiate between drop TABLE and delete
d) Explain Where clause.
e) Differentiate between now() and Sysdate()
f) How would you mean by scalar expression in MYSQL
g) Write query to display distinct values in column Type (table furniture)
h) Define column aliases with an example.
i) Explain Operators with an example
j) Drop column Discount of table furniture.

Q7. ANSWER THE FOLLOWING QUESTIONS

a) Write the classification of SQL commands and its type   **2**

b) Differentiate between Primary key and Unique key   **1**

c) Display output of given queries.   **2**
    (i)   Select Round(1234.678,1);   (ii) Select Concat("foundation","school")
    (iii) Select pow(length("Informatics   iv) Select Mid("School",2)
    practices"),2)

d) Write 2 web portals of E-Governance   **1**

e) Write 2 negative Impacts of E-Business   **2**

f) Define E-Learning and its negative Impacts   **2**