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INFORMATICS PRACTICES (065) ANSWER KEY**

- 1.
- (a) Gateway is a device which is used to connect different types of networks and perform the necessary translation so that the connected network can communicate properly 1
- (b) Its an emerging area of demand based resource sharing , its also called Green IT. 1
- (c) Personal Area Network, Transmission Control Protocol 1
- (d) Repeater 1
- (e) It can carry data for long distance 2
Not susceptible to electromagnetic fields.
Very less data loss
- (f) It is the process of getting corresponding IP address from a Domain Name 2
- (g) Passive hub just transfer the signal to connected nodes, where as active hub Amplify the signals and passes it to the connected nodes. 2
- 2.
- (a) Button Group 1
- (b) If break is executed control terminates from the complete iterations including the remaining statements in the current iteration. But Continue will continue with the next iteration by just skipping the current iteration. 1
- (c) <P lang = "hi"> 1
- (d) 1
- (e) 2
int sum;
for(int i=0;i<=10;i=i+2)

TextArea1.setText(TextArea1.getText() + " " + i)
Sum=sum+i
TextArea1.setText(TextArea1.getText() + " " + "\n" + "sum = " + sum);
- (f) Mbps- Mega Bytes per second, mbps –Mega bits per second 2
They are the measuring units of the speed of data transmission over a network
- (g) int area, l,b; 2
l=Integer.parseInt(tf1.getText());
b=Integer.parseInt(tf2.getText());
area =l*b;

tf3.setText(""+area);

3.

- (a) show databases; 1
- (b) Distinct is used to eliminate duplicate entries 1
- (c) The candidate key which is not a primary key is called alternate key 1
- (d) Cardinality 6, Degree 7 1
- (e) SET AUTOCOMMIT= 1; (for ON) & SET AUTOCOMMIT=0; (fro OFF) 2
- (f) PHONENO=Double.parseDouble(mobno); 2
- (g) Select empname , empcode, emp salary from employee 2
group by empdesignation having age<45;

4.

- (a) 100 2
- (b)
if(per==90)
System.out.println("A1");
else if(per==80)
System.out.println("A2");
else if(per==70)
System.out.println("B1");
else if(per==60)
System.out.println("B2");
else if(per==50)
System.out.println("C1");
else
System.out.println("D1");
- (c) Infinite loop 1
- (d) 1 1
- (e) 2
int P=1;
int C=1;
for(c=1;c<=10;c=c+1)
{
If(P==5)
P=1;
System.out.println("P is equal to 5");

```
else
System.out.println("P is equal to 5");
}
```

(f) 2
326.50
8

(g) 2
private void BtclearActionPerformed(java.awt.event.ActionEvent evt) {
txtstotal.setEnabled(false);
txttax.setEnabled(false);
txtamount.setEnabled(false);
txtdays.setEnabled(false);
txtadvance.setEnabled(false);
optg.setSelected(true);
txtpno.setText("");
txtpname.setText("");
txtdcharge.setText("0");
txtotcharge.setText("0");
txtmedicine.setText("0");
txtmeal.setText("0");
txtstotal.setText("0");
txttax.setText("0");
txtamount.setText("0");
txtdays.setText("0");
txtadvance.setText("0");
txtstay.setText("0");

}

private void BtcalculatebillActionPerformed(java.awt.event.ActionEvent evt) { 3
double tstay,doc,ot,med,meal,stotal,tax,deposit,amt,days,stay,cat;
doc=Double.parseDouble(txtcharge.getText());
ot=Double.parseDouble(txtotcharge.getText());
med=Double.parseDouble(txtmedicine.getText());
meal=Double.parseDouble(txtmeal.getText());
stotal=doc+ot+med+meal;
txtstotal.setText(""+stotal);

tax=stotal*12/100;
txttax.setText(""+tax);

deposit=Double.parseDouble(txtadvance.getText());
amt=(stotal+tax)-deposit;
txtamount.setText(""+amt);

days=Double.parseDouble(txtdays.getText());
if (optd.isSelected())
{

```

    cat=4000;
}
else if (optp.isSelected())
{
    cat=2000;

}
else if(opts.isSelected())
{
    cat=1000;
}
else
{
    cat=400;
}

tstay=days*cat;
txtstay.setText(""+tstay);

}

```

- 5.**
- (a)** Delete is used to delete the contents in the table, after delete the table structure remains there
But Drop will remove the entire table structure also. **2**
- (b)** Cardinality 9, Degree 4 **1**
- (c)**
- (i)** Select Vno,Vname,Age from VOTER order by Vname desc; **1**
- (ii)** Select * from VOTER where Address="Rohini" or age<25; **1**
- (iii)** Select * from VOTER where age between 20 and 30; **1**
- (iv)** Select count(Address) from VOTER where address= "Rohini"; **1**
- (v)** Select * from VOTER where phone LIKE "25%"; **1**
- (vi)** 7 **1**
- (vii)** 24

1

- 6.**
- (a) 2
 Create table HOSPITAL(Pid varchar(5) Primary Key NOT NULL, Pname varchar(15) NOT NULL, Ppname varchar(20), Pdate date);
- (b) 2
 (i) 2
 Select avg(basic) from salary s, consultant c where s.ID=c.ID and DEPT='ENT';
- (ii) 2
 Select name,min(allowance) from salary s, consultant c where s.ID=c.ID and SEX='F';
- (iii) 2
 Select name , dept, basic*12 as ANNUALBASIC from salary s, consultant c where s.ID=c.ID and SEX='M';
- (c) 1
 (i) ID 1
 (ii) Update table salary Set consultation=consultation-50; 1

- 7.**
- (a)Mysql, SQL, MS Access. 1
- (b) 24*7 business, cash on delivery or credit card payment, No need to maintain a shop in particular locality. Global access of materials. 2
 Eg: www.flipcart.com, www.ebay.com, www.infibeam.com, www.lenscart.com.

- (c) 2

SL NO	CONTROL USED TO	CONTROL
1	Customer's complete address	Text Area
2	Account No	Test Field
3	Account type (savings/current)	Option button
4	Branch selection	Combo box

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