

SAMPLE PAPER-2014
CLASS-XII
INFORMATICS PRACTICES

Sample paper-I

Time allowed : 3 hours

Maximum Marks: 70

Name : _____

Roll No.: _____

- ⌚ Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- ⌚ Please write down the serial number of the question before answering it.

Q.1. QUESTIONS BASES ON NETWORKING & OPEN STANDARDS-I 10/10 MARKS :-

1. What is Bluetooth? (1)
2. What are two differences between Co-Axial & Optical Fiber cables? (2)
3. What do you understand by GPL? (1)
4. What are the different types of Networking Protocols? (1)
5. What is Phishing? (1)
6. Write the full form of the following terms:- (1/2X4=2)
1. MAC 2. WAN 3. FTP 4. OSS
7. What is Snooping? Write two differences between intrusion and authorized access. (2)

Q.2. QUESTIONS BASED ON INTRODUCTION TO PROGRAMMING-II 10/25 :-

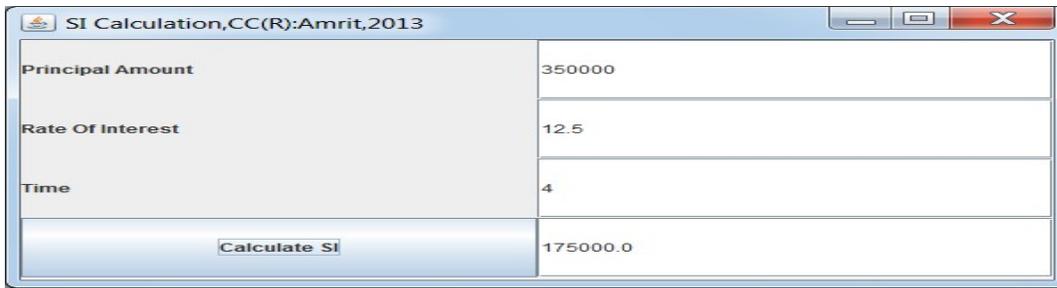
1. What is a Method? What are two significances of return statement in the method? (2)
2. Write Short Notes on(with examples) :- (2)
 1. Basic Structure of HTML code.
 2. Advantages of XML.
3. What is an event? Give two characteristics of ActionEvent. (2)
4. Rewrite the following code using while loop: (2)

```
int a, b;
for(a=1,b=2;i<=6;a++,b+=2){
    System.out.println(i++);
    System.out.println("Started!!!");
}
```
5. What will be the output of the following code? (2)

```
StringBuffer city=new StringBuffer("New York City");
StringBuffer string=new StringBuffer();
string.append(new String(city));
string.insert(0,"New Delhi :");
System.out.println(string);
```

Q.3. QUESTIONS BASED ON INTRODUCTION TO PROGRAMMING-II 10/25 :-

1. Write a program to check whether a give number is divisible by 5 or not. The program should be the part of JFrame coding for actionPerformed() method. (2)
2. Write the program to create the GUI controls given inside Window given below: (2)



Write the code for event handling necessary to calculate and to print SI on result field.

3. Consider the following FOR-loop and tell how many times the loop will execute? (2)

```
int a=40,result=0;
for (int i=10 ;i>=9;--i)
{
    result=(a+i);
    if(i==10){
        a=35;
    }
}
```

4. Find output of the following :- (2)

(i) If a,b,c are integers and d is a floating literal
 $d = ((10 * a + 2 * b) / c)$; (a=4, b=10 and c=10)

(ii) for(int i=20;x>=15; x+=5)
{
System.out.println(x%3);
}

5. Find errors and re-write the correct code after removing the errors:- (2)

(i) System.out.ptinln("Today is:" new Date())
(ii) for(int i=2,i<16;i++)

Q.4. QUESTIONS BASED ON INTRODUCTION TO PROGRAMMING & IT APP.-II (5+5)/(25+5) :-

1. What is a Constructor? Explain it with an example. (2)
2. What is JDBC? Write java code to establish a connectivity with MySQL Database. (2)
3. What is a difference between Method Overriding & Overloading? (1)
4. What is an E-Commerce? Write the societal impact of e-learning. (2)
5. What are two characteristics of good interface of an application? (2)
6. What is Infomania? (1)

Q.5. QUESTIONS BASED ON DTABASE SYSTEM -III 10/30 MARKS :-

1. Write outputs of the following(SQL Functions)- (4)
 - a. Select UPPER('Window 8 RT');
 - b. Select SQRT(ABS(-64/8));
 - c. Select MOD(35,3);

- d. Select POWER(4,2)
 - e. Select Trim(" CWG 2010");
 - f. Select Length("MICROMAX TITANIUM");
 - g. Select SUBSTR("Sony Xperia Z",6,8);
 - h. Select (2*5+6/2)
2. Name type of SQL command used :- (2)
 - a. To delete the data in a table.
 - b. To add a column to a table.
 - c. To insert records in a table.
 - d. To alter a column type.
 3. Name the keyword used to avoid duplicate rows in a query. (1)
 4. What is an WHERE clause? Give one example. (1)
 5. Differentiate between DDL and DML statements. (1)
 6. Define UPDATE command with one example. (1)

Q.6. QUESTIONS BASED ON DTABASE SYSTEM -III 10/30 MARKS :-

1. What are two significances of Group By clause in a SQL Statement? (2)
2. What is an aggregate function? What are the different aggregate functions? (2)
3. What are two differences between Equi-Join and Non Equi-Joins? (2)
4. What is a Constraint? Explain the differences between NOT NULL & DEFAULT. (3)
5. What do you mean by Database Transaction? (1)

Q.7. QUESTIONS BASED ON DATABASE SYSTEM -III 10/30 MARKS :-

1. What is a difference between COMMIT and ROLLBACK? (1)
2. Explain DDL Statements with examples? Give a sql statement to drop SPORTS table. (3)
3. Write SQL commands for the statements (a) to (e) and give output of the SQL Query (f) on the basis of CUSTOMER_DETAILS given below: (1*10=6)

CUST_ID	CUT_NAME	ACCT_TYPE	ACCULT_AMT	DOJ	GENDER
CNR_101	Manoj	Saving	1025000	1999-02-19	M
CNR_102	Rahul	Current	1326000	1998-01-11	M
CNR_103	John	Saving	1425000	1999-02-04	M
CNR_104	Steve	Salary Saving	1825000	1998-02-21	M
CNR_105	Manpreet	Current	1125000	1998-05-12	F
CNR_106	Catherine	NULL	1026000	1999-01-13	F
CNR_107	Ramesh	Saving	2025000	1998-04-22	M

- a. To select all the customer of Saving and Current account type.
- b. To select account type wise total ACCULT_AMT.
- c. To list the account type wise minimum and maximum ACCULT_AMT .
- d. To list counts of customers for each account type.
- e. To update the ACCULT_AMT to Rs. 1925000 where CUST_ID is CNR_105.
- f. SELECT ACCT_TYPE,COUNT(ACCT_TYPE) from CUSTOMER_DETAILS GROUP BY ACCT_TYPE .

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