## GUESS PAPER-2013

CLASS-XI

INFORMATICS PRACTICES

**SET A**

Time: 3 hrs. M.M. 70

Q.1. 1. Define Operating System. 1

2. How does a compiler different from an interpreter. 2 3. Define Bus. 1

4. Name 2 ports that allow wireless connection of devices. 1

5. Write whether they are input or output devices.- OMR, WEBCAMERA 1

6. What is DBMS? 1

 7. Write any 2 features of Electronic Spreadsheet. 2

 8. Define Application Software. 1

Q.2. 1. Can a java file contain more than one main method? 1

2. Define the following statements:- 1

 a. String aa=new String(a1.getpassword( ));

 3. What is the purpose of a button group? 1

4. What is the initial values assigned to a short and boolean? 1

 5. What type of values are returned when operands are checked with relational

 operators? 1

 6. What will happen if the Editable property of a text field is set to false? 1

 7. What is the function of mnemonic property of a frame? 1

 8. Which function returns selected value of list? 1

 9. Define Actual and formal parameters? 2

Q.3. 1. Write a program to print the table of a number given by the user. 3

 2. NDPL generates computerized bills for its customers on every month. This bill is generated

 for four Consumption section as follows:- 5

|  |  |  |  |
| --- | --- | --- | --- |
| Sections | 1st 200 units (Rs./unit) | Next 200 units (Rs./unit) | Above 400 units (Rs./unit) |
| Domestic | 2.45 | 3.95 | 4.65 |
| Non Domestic | 5.40 | 5.40 | 5.40 |
| Agricultural | 4.92 | 4.92 | 4.92 |

 The following is the screen used to generate the bill:-

Enter billing unit **Consumption Type** Domestic Light Non Domestic Light Agricultural

ssss

GENERATE BILL

EXIT

 3. Consider the following loop and tell how many times the loop will execute? 1

 int x=5, y=50;

 while(x<=y)

 {

 y=y/x;

 x=x+5;

 }

 4. Find output of the following :- 3

 (i) If a,b,c are integers and d is a floating literal

 c=a-(b++)\*(--d); (the value of a=3,b=5,d=1.5)

 (ii) int i=1;

 while(i<5)

 {

 System.out.println(i);

 i=i\*2;

 }

 5. Find errors and write the correct code after underlining the errors:- 3

 (i) age>40 && <90;

 (ii) switch(vow);

 {

 case ‘a’ :

 case ‘A’ :

 case ‘e’ :

 case ‘E’ :

 case ‘i’ :

 case ‘a’ :

 }

Q.4. 1. Create a table DEPTM based on the following chart:- 3

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Type** | **Constraint** |
| Dept\_no | Int(2) | PRIMARY KEY |
| D\_name | Varchar(15) |  |
| E\_name | Varchar(30) | NOT NULL |
| Join\_date | Date |  |
| Sal | Double(6,2) |  |

1. Create a query to add the following data in the above table:- 2

3, sales, Gautam Mishra, 3rd may 2011, 12875.25

1. Define Syntax errors. 1
2. Define PRIMARY KEY. 1
3. Write any 2 types of SQL commands. 1
4. Differentiate between CHAR and VARCHAR datatypes. 1
5. Define a tuple. 1

Q.5. 1. Write output of the following:- 4

1. Select UPPER(‘Master’);
2. Select SQRT(144);
3. Select MOD(35,3);
4. Select POWER(5,3)
5. Select Trim(“ NETHERLANDS “);
6. Select Length(“22 A/36,Jalandhar”);
7. Select SUBSTR(“EXAMINATION”,5,3);
8. Select ROUND(3244.196,-1);
9. Name the SQL commands for the following:- 2
10. To delete the data in a table.
11. To view the structure of the table.
12. Name the keyword used to avoid duplicate rows in a query. 1
13. Write a query to display 4 characters from the 3rd position in the string ‘EDUCATION’. 1
14. Name any 2 numeric functions with syntax. 1
15. Define TRUNCATE Function with example. 1

Q.6. Write SQL commands for the statements (a) to (i) and give outputs of the SQL Queries (j) to (k) on the basis of TABLE CLASSTD. 1\*9 + 0.5\*2=10

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S\_no | Name | Stipend | Stream | Avg\_marks | Grade | DOB | Sex |
| 1 | Karan | 1400 | Medical | 78.5 | B | 1999-02-19 | M |
| 2 | Arun | NULL | Humanities | 73.4 | B | 1998-01-11 | M |
| 3 | John | 1590 | Medical | 75.9 | A | 1999-02-04 | M |
| 4 | Vikas | 1630 | Non-Medical | 92.0 | A | 1998-02-21 | M |
| 5 | Ankita | NULL | Non-Medical | 62.5 | C | 1998-05-12 | F |
| 6 | Zareen | 1090 | Medical | 40.0 | C | 1999-01-13 | F |
| 7 | Kush | 1200 | Medical | 44.5 | B | 1998-04-22 | M |

1. To select all the students of Commerce and Medical stream
2. To list the names of students with their date of birth in ascending order.
3. To list the students who are born after 1998 May 31 and stipend is more than 1400.
4. To display female students name with their avg. marks where stipend is null..
5. To list the students having 4 letter name.
6. To list the different streams available.
7. Update the stipend to Rs. 2000 where stream is Medical.
8. To show the students born in 1999.
9. To list the students who are not in Commerce stream.
10. Select \* from CLASSTD where Grade=’B’ order by stipend.
11. Select name,stream,dob from CLASSTD where sex=’F’ and grade=’C’.

Q.7. 1. Write any 2 benefits of E-Business. 2

 2. Define E-Governance. 1

 3. What do you think that E-learning has higher drop out rate? 2