

WORKSHEET

CLASS: XI

TERM:1

SUBJECT: INFORMATICS PRACTICES

1. How is compiler different from interpreter?
2. What is the difference between impact and non impact printer? Give example?
3. What is MICR?
4. What do you understand by PC Intrusion?
5. Differentiate between real time and time sharing operating systems?
6. Compare Packages and Utilities?
7. Define the terms Adware, Spyware.
8. Differentiate between Alternate Key and Candidate Key.
9. Prasanth a student of XI created a table 'Employee'. Subject is one of the columns of this table. To find the details of Employees whose subjects have not been entered, he wrote the following MySQL query, which did not give the desired result.

Select * from Employee where subject="NULL";

Write the correct query.

10. Compare CHAR and VARCHAR data types?
11. Write MySQL command that will be used to open an already existing database 'Test'?
12. A table 'CUSTOMER' in a database has cardinality 10 and degree 6.
What is the no. of rows and columns in it?
13. Differentiate between ALTER TABLE command and UPDATE command with example.
14. Consider the table STUDENT given below. Write commands in MySQL for (i) to (v) and output for (vi) to (viii)

Table: STUDENT

StudentNo	Class	Name	Game	Grade1	SUPW	Grade2
10	7	Sameer	Cricket	B	Photography	A
11	8	Sujit	Tennis	A	Gardening	C
12	7	Kamal	Swimming	B	Photography	B
13	7	Veena	Tennis	C	Cooking	A
14	9	Archana	Basket Ball	A	Literature	A

- (i).To list the names of those students who have obtained grade 'A' in Tennis.
- (ii).To display the different games offered in the school.
- (iii).To display the SUPW taken up by the students, whose name starts with 'S'.
- (iv).To insert a new row in the table 'STUDENT'.
- (v).To count the no.of students who have grade 'A' either in Game or SUPW.
- (vi).Select count(distinct(Game)) from STUDENT;
- (vii).Select name, class from student where name like "_e%";
- (viii).Select name from STUDENT where Grade1="B" or Grade="B";
- (ix).Write Query to display the current date.
- (x). What is the default value of column for which no default value is defined?
- (xi).Which keyword is used to substitute null values in a query result?
- (xii).Which keyword is used to retrieve unique values in a query result?
- (xiii).Which keyword is used to retrieve duplicate values in a query result?

15. What will be the output of the following?

- (i)SELECT CHAR(65,67.3,'69.3');
- (ii)SELECT ROUND(2.378,1);
- (iii)SELECT MOD(50,4);
- (iv)SELECT MID('Compliment',5,6);
- (v)SELECT TRIM(BOTH 'X' FROM 'XXXXBRIGHTXX');
- (vi)SELECT DAYOFMONTH('2012-12-02');
- (vii)SELECT RIGHT('IP/54/15/46',2);

(b).The ItemName column of a table "ITEM" is given below.

ItemName
Shampoo
Bath Soap
Moisturizer
Lens Solution
Sanitizer

Based on the above information, find the output of the following queries:

(i).Select ItemName from ITEM where ItemName like “%r”;

(ii).Select ItemName from ITEM where ItemName like “%i__”;

16. What is a constraint?
