

2013_March

A1.

- a)- True
- b)- True
- c)- True
- d)- True
- e)- False
- f)- False
- g)- False
- h)- False
- i)- True
- j)- True

A2.

Already done

A3.

```
SELECT
FROM
WHERE
GROUP BY
HAVING
ORDER BY
```

A4.

```
SELECT DISTINCT title
FROM Author;
```

A5.

```
SELECT S_Name, S_Id  
FROM Coursework  
WHERE C_Marks IS NULL;
```

A6.

- a)- Comparison operator
- b)- Comparison operator
- c)- Logical operator
- d)- Arithmetic operator
- e)- Comparison operator
- f)- Logical operator
- g)- Logical operator
- h)- Comparison operator

B1.

a)

-

```
SELECT Member_id, Borrowdate_date, DateAdd(day,21,Borrowdate_date) As due_date  
FROM Books_Borrowing;
```

b)

-

```
SELECT COUNT(*) As NumberOfRows  
FROM Books_Borrowing;
```

c)

i)- AVG()

ii)- COUNT()

iii)- MAX()

iv)- SUM()

d)

i.-

```
SELECT Format(Hiredate, 'dddd') As Weekday  
FROM Test;
```

ii.-

```
SELECT DateDiff(month,Hiredate,GetData()) As [Months Worked]  
FROM Test;
```

e) note or search yourself.

B2.

a)

i. SELECT Sname, Sid
 FROM STUDENT
 WHERE NOT Module_Code = 'IT205';

ii. SELECT S.Sname, C.Module_Code
 FROM STUDENT As S
 INNER JOIN CLASSES As C ON S.Module_Code=C.Module_Code
 WHERE C.Lecturer= 'Catherine';

b)

i) A column is a set of data values one for each row of the table.

ii) A record is composed of fields that contains the data about one particular item in a table.

iii) A database table is composed of records which hold data about a particular subject.

iv) A field is a part of a record and contains a single piece of data of the record.

c)

```
- SELECT name, cost
FROM Construction
WHERE name IN ('TAKASHIMAYA', 'TANGLIN MALL',
               'PARAGON', 'RAFFLES CITY');
```

d)- A value of NULL indicates that the value is unknown.

B3.

a)-

```
SELECT T1.column1, T2.column2
FROM table1 As T1
CROSS JOIN table2 As T2;
```

b)-

```
i)- SELECT Department, SUM(Salary)
FROM Employee
GROUP BY Department;
```

```
ii)- SELECT ID, Empname
FROM Employee
```

```
WHERE Department=(SELECT Department  
FROM Employee  
WHERE Empname= 'Christopher');
```

- c)- CREATE, DROP, ALTER, TRUNCATE, RENAME
- d)- INSERT, DELETE, UPDATE
- e)- DateAdd(), DateDiff(), DatePart(), Now()