

EVERWIN VIDHYASHRAM

TT -Chemistry

06.02.20

STD:XI (Maj)

Marks:25

I. Short Answer:

3x5=15

1. Explain the mechanism of sulphonation.
2. Explain the mechanism of Halogenation.
3. What are called as deactivating group.
4. Give some examples of arenes with the mechanism.
5. Explain the term polymerization with two examples.

Detail:

2x5=10

6. Write in brief about the preparation of Benzene.
7. Explain Friedel crafts acylation Reaction.

I. Answer in Short:

4x2=8

1. Which command is used for creating tables?
2. What is a constraint? Name some constraints that you can apply to enhance database integrity.
3. What is primary key? What is PRIMARY KEY constraint?
4. How would you view the structure of table Dept?

II. Answer in Brief:

4x3=12

5. When a column's value is skipped in an INSERT command, which value is inserted in the database?
6. What is the error in following statement?
7. Differentiate UPDATE EMPL between DDL and DML.
8. Modify the Salary and increase it by 1000, for all who get salary less than 5000.

III. Answer in Detail:

1x5=5

9. An examination agent designs the following database tables to store the information on candidates who register for examination.

Table: CAND

Field Name	Type	Width	Description
CNUM	Character	8	Unique candidate number of the candidate where the first three characters are the unique school code of the candidate's school
CNAME	Character	30	Name of the candidate
DOB	Date		Date of birth of the candidate

Table : REGISTER

Field Name	Type	Width	Description
CNUM	Character	8	Candidate number of the candidate who sits the examination of the subject
SCODE	Character	2	Unique subject code

Table: SUBJECT

Field Name	Type	Width	Description
SCODE	Character	2	Unique subject code
SNAME	Character	30	Name of the subject

- a) i) Write an SQL command to create CAND.
- ii) Which of the following can be a candidate key of CAND? Explain briefly.
 - a) CNUM
 - b) CNAME+DOB
- b) Identify the primary key(s) and foreign key(s) of REGISTER.
- c) i) Write an SQL command to increase the width of CNUM in CAND is 12.
- ii) The subject code and subject name of a new subject are 09 and LAW respectively. Write a SQL command to insert this record into SUBJECT.