**TY B.Tech. (CSE) – II [ 2022-23 ]**

**5CS372 : Advanced Database System Lab.**

**Assignment No. 4**

**PRN: 2020BTECS00079**

Design and implement a system for managing online multiple-choice tests. The system should support distributed contribution of questions by teaching assistants, editing of the questions by whoever is in-charge of the course and creation of tests from the available set of questions. It should be able to administer the tests online, either at a fixed time for all students or at any time but with a time limit from start to finish and give students feedback on their scores at the end of the allotted time.

SQL :

create database quiz;

use quiz;

create table student(

prn varchar(14) primary key not null,

name varchar(50) not null,

pass varchar(15) not null,

branch varchar(10) not null

);

create table teacher(

t\_id int primary key not null auto\_increment,

name varchar(50) not null,

pass varchar(15) not null,

dept varchar(10) not null

);

create table quiz(

quiz\_id int not null,

quiz\_timer int,

q\_id int not null auto\_increment unique,

question varchar(255) not null,

opt\_a varchar(255) not null,

opt\_b varchar(255) not null,

opt\_c varchar(255) not null,

opt\_d varchar(255) not null,

answer char

);

create table takes\_quiz(

t\_id int,

quiz\_id int,

foreign key (t\_id) references teacher(t\_id)

);

create table result (

prn varchar(14) not null,

quiz\_id int not null,

marks int not null,

out\_of int not null

);

create table attempted\_students (

id int primary key auto\_increment,

prn varchar(14) not null,

quiz\_id int not null,

ip\_addr varchar(15) not null,

country varchar(50) not null,

region\_name varchar(50),

city varchar(50),

isp varchar(255) not null,

lat varchar(10) not null,

lon varchar(10) not null,

ts datetime default current\_timestamp

);







