20bcs132Levels ▼
- 🔑 Level INT
- 🔷 classname TEXT(25)

Indexes ▶

20bcs132Pool ▼
- 🔑 Pool INT
- 🔷 PoolName TEXT(25)
- 🔷 Location TEXT(20)

Indexes ▶

20bcs132Staff ▼
- 🔷 FirstName TEXT(20)
- 🔷 MiddleInitial TEXT(3)
- 🔷 LastName TEXT(20)
- 🔷 Suffix TEXT(3)
- 🔷 Salaried BIT
- 🔷 PayAmount INT
- 🔑 StaffID INT
- 🔴 20bcs132Classes_LessonIndex INT

Indexes ▶

20bcs132Classes ▼
- 🔑 LessonIndex INT
- 🔴 Level INT
- 🔷 SectionID INT
- 🔷 Semester INT
- 🔷 Days TEXT(20)
- 🔷 Time DATETIME
- 🔴 Pool INT
- 🔷 Instructor INT
- 🔷 Limit INT
- 🔷 Enrolled INT
- 🔷 Price INT
- 🔑 20bcs132Levels_Level INT
- 🔑 20bcs132Enrollment_SID1 INT

Indexes ▶

20bcs132Students ▼
- 🔑 SID INT
- 🔷 FirstName TEXT(20)
- 🔷 MiddleInitial TEXT(3)
- 🔷 LastName TEXT(30)
- 🔷 Suffix TEXT(3)
- 🔷 Birthday DATETIME
- 🔷 LocalStreet TEXT(30)
- 🔷 LocalCity TEXT(20)
- 🔷 LocalPostalCode TEXT(6)
- 🔷 LocalPhone INT

Indexes ▶

20bcs132Enrollment ▼
- 🔴 LessonIndex INT
- 🔑 SID INT
- 🔷 Status TEXT(30)
- 🔷 Charged BIT
- 🔷 AmountPaid INT
- 🔷 DateEnrolled DATETIME

Indexes ▶

TANZEEM
20BCS 13 2

Schema = Swimming_pool

Q.2Y degree of " 20bcs132 Pool " table = 1

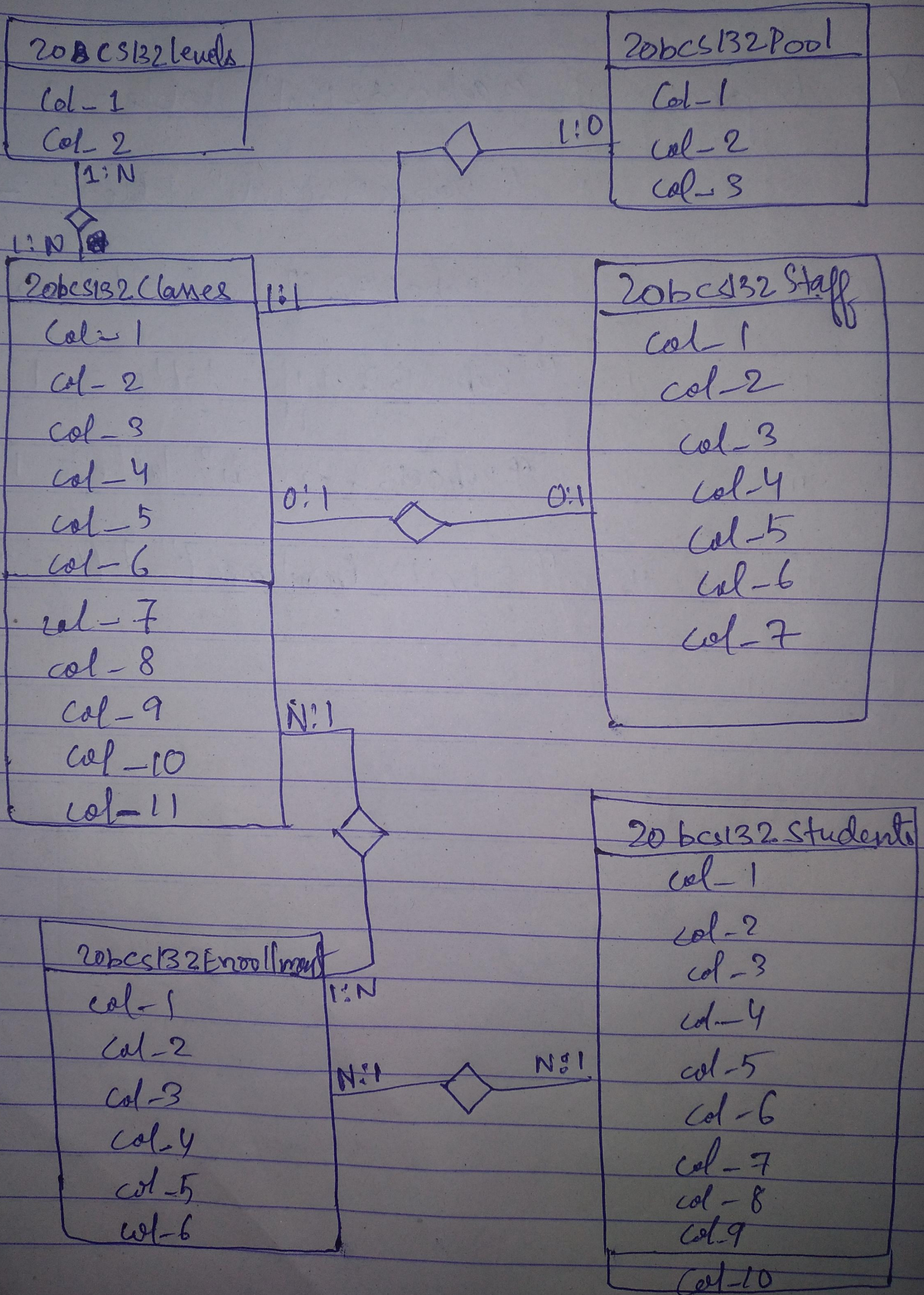" " " 20bcs 132 levels " table = 2

" " " 20bc s132 Classes " table = 5

" " " 20bcs 132 Staff " table = 1

" " " 20bcs132 Students " table = 1

" " " 20bcs132 Enrollment " table = 3

Q.34

20BCS132 Levels
Col - 1
Col - 2

1:N

1:N

20bcs132 Classes   1:1
Col - 1
col - 2
col - 3
col - 4
col - 5
col - 6
col - 7
col - 8
Col - 9
col - 10
col - 11

20bcs132 Pool
Col - 1
col - 2
col - 3

1:0

20bcs132 Staff
col - 1
col - 2
col - 3
col - 4
col - 5
col - 6
col - 7

0:1   0:1

N:1

20bcs132 Enrollment
col - 1
col - 2
col - 3
col - 4
col - 5
col - 6

1:N

N:1   N:1

20 bcs132 Students
col - 1
col - 2
col - 3
col - 4
col - 5
col - 6
col - 7
col - 8
col - 9
col - 10

Q.4)

Ans: Since in each six table, they all contained one or more than one primary key. Therefore it cannot have weak entity.

Q.5) Ans: We can reduce the data as in table 20bcs132 Staff and table 20bcs132 Students Both have some same entity like FirstName, MiddleInitial, LastName etc.