A university (ITI) has decided to make online examination and store information on instructors, students ,courses ,departments and exams

Requirements:

1- Each student has ID , Name , two phones , birthdate , gender , address

2- Each department has ID and Name.

3- Each instructor has ID , Name , Phone , Salary , Hiredate

4- Each course has ID , Name

5- Each topic has ID , Name

6- Each exam has ID , Name , Date , Duration , Total mark

7- Each question has ID , Qheader , two types (MCQ , True and False) , choices , modelAns

8- Each student must belong to a department. Each department may have many students .

9- Each department must be managed by one instructor

10- Each instructor must work at one department. Each Department may have many instructors.

11- Each course may have many students. Each student must be enrolled in one or more courses and get grade in this course.

12- Each course must have one or more topics.

13- Each course may have one or more exams. Each exam must belong to course.

14- Each course must be teached by one instructor. Each instructor may teach one or more courses.

15- Each question created on course must be generated by instructor who teaches this course

16- Each course exam created in runtime is created from existing course questions.

17- many students can take many exams in same course.

18- student answer on each exam question is recorded then marked.