**Question 1 (Class Diagram):**

 There are total **12 classes** (person, staff, patient, Technical staff, administrative staff, medical staff, Hospital, department, clinical department, surgical department, ward and waiting section) and **12 relations**. Each **class has 1.5 marks** and each **relation has 0.5 marks**. If a student misses a class or mentions a wrong relation you are supposed to deduct the marks correspondingly (i.e. 1.5 marks for a class and 0.5 marks for a relation)

**Note** that if a student has made a well designed neat and clean diagram and has listed some important functions in the class then you can give him/her**1 bonus marks.**

**Question 2 (Code implementation):**

Here, each **class has 0.5 marks**, each **correct initialization** (through main for aggregation and association, through class in composition and through polymorphism in inheritance) has **1 marks,**a proper**main driver program has** **2 marks**and**3 marks**for the following required **functionalities**(1 mark each):

1. if a student has declared Patient type List in Hospital class
2. if a student has declared Department, Ward and Date objects in Patient class
3. if a student has declared staff type List in Department class

**Note**  that if a student has implemented bonus functionality i.e. has kept some type of a patient's visit count to measure his three consecutive visits, then he must be given **2 bonus marks**