Q1:

Create an ERD containing the *TestOrder* and *Specimen* entity types and a 1-M relationship from *Specimen* to *TestOrder*. For each specimen collected, the database should record a unique *SpecNo*, *SpecArea* (vaginal, cervical, or endocervical), and *SpecCollMethod* (thin prep or sure path). A test order contains a *TONo* (primary key), *TOTestName*, *TOTestType* (HPV, CT/GC, CT, or GC), and *TOTestResult* (positive, negative, equivocal, or failure). A specimen does not have a test order until a delay, from hours to days. If a test order produces a failure, the specimen is given a new test order and tested again until a non-failure result is obtained. A test order is created for exactly one specimen.

Ans: