Question 1:

Requirement’s characteristics:

• Reliability: this project is possible to run because the requirements are clear. And the requirements are high reliable.

• types and number of requirements: They know user need and they also know types of user that may make use of the system. The requirements contains both non-functional and functional requirements (list above), they are also clear and not vague. They also list 8 number of requirements including both functional requirements and non-functional requirements.

• how often the requirements can change: Because they define requirements very well, and the team members have experience and knowledge. Besides, the Business stakeholders help the team to define the user needs so that the requirements may not be changed regularly.

• Can the requirements be defined at an early stage: the requirements are described in great details and everything is clear enough. The requirements are easy to understand, so that the requirements can be defined at an early stage.

Development team:

• team size: the context mentioned above: “the team to work on this project has 5 developers, 3 testers” and the Business stakehoders are going to join. The team size is medium .

• level of understanding of user requirements by the developers: The IT team may understand enough of this project because they are also supported by Business stakeholders to understand user needs.

User involvement in the project: this system involves a large number of students, faculty members, administrative staff members and also the general public.

To conclude, the requirements to the final product are strictly predefined, the system is delivered to customers earlier. And with above criteria I analysis above, to build this system, the most suitable software development model is Incremental Model.

Question 2:

a.

Choosing Agile because it is less price for the changes implemented due to the many iterations. It requires only initial planning to start the project. Besides, requirements and solution are developed on cohesion of functions, and functions are built quickly, clear and easy to manage.

b.

Because the team must have experience. But members have some experience in mobile development but none in web development, and nobody has performance testing experience. In addition, they are not familiar with engineering practices. Furthermore, requirements are planning to hand-off in 2 weeks, so it can have some problems of stabilities, abilities to maintain.

Question 3:

2 non-functional requirements:

* Time to process moving or backing-up data is not excess over 15 minutes.
* There should be an easy back-up feature for entire data, to prevents losing any data.

Question 4:

Two user stories for Administrators**:**

**•** As an employee actor, I want to view or print my own information so that when needed I can report if there is a discrepancy.

• As an employee actor, I want to check whether the meeting places is available or not so that I can book a meeting place and upload meeting minutes .

Question 5:

Management

End section

Initialized section

Managing advertisements

Meeting management

File movement Tracking

Raise an issue and track it

Logout to system

Login to system

Track advertisement and follow up

Check availability of meeting places

Priority shall be escalated

Fast and secure File movement

Enter user ID, Password

Easy back-up data

Upload meeting minutes

Book a meeting place

Notification sent to people for 3 days

Time process not excess over 15 minutes

Login by clinic Email