

21BD10340

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### Question 1

#### i. Net Banking System

will choose the spiral model to follow an iterative and prototyping model.

- Allows for risk management
- Allows for feedback incorporation
- Allows customer involvement
- Allows modular and iterative development

#### ii. FFLS

will choose Agile model to follow rapidly changing requirements and ease of feedback incorporation.

- Allows for flexibility in requirements
- Allows for collaborative development between modules
- Allows incremental/feature-wise delivery
- Allows for continuous integration and improvement

### Question 2

#### a. Tasks

- Setup of video and audio equipment
- Test sound and lighting
- Rehearsal
- Multimedia operation
- Technical issue resolution
- Teardown and cleanup

### Time Estimates

- Setup/Installation - 1-2 days
- Rehearsals + Testing - 1 Day
- Event coordination - Throughout event
- Teardown + Cleanup - Half to 1 day

### Resources

- Audio - microphones, speakers, mixers
- Video - projectors, screens
- Lighting - stage lights, spotlights
- Human resources
- Event coordinators
- Transportation for equipment
- Communication resources - walkie talkies, smartphones

c. I would choose the incremental model for the following reasons:

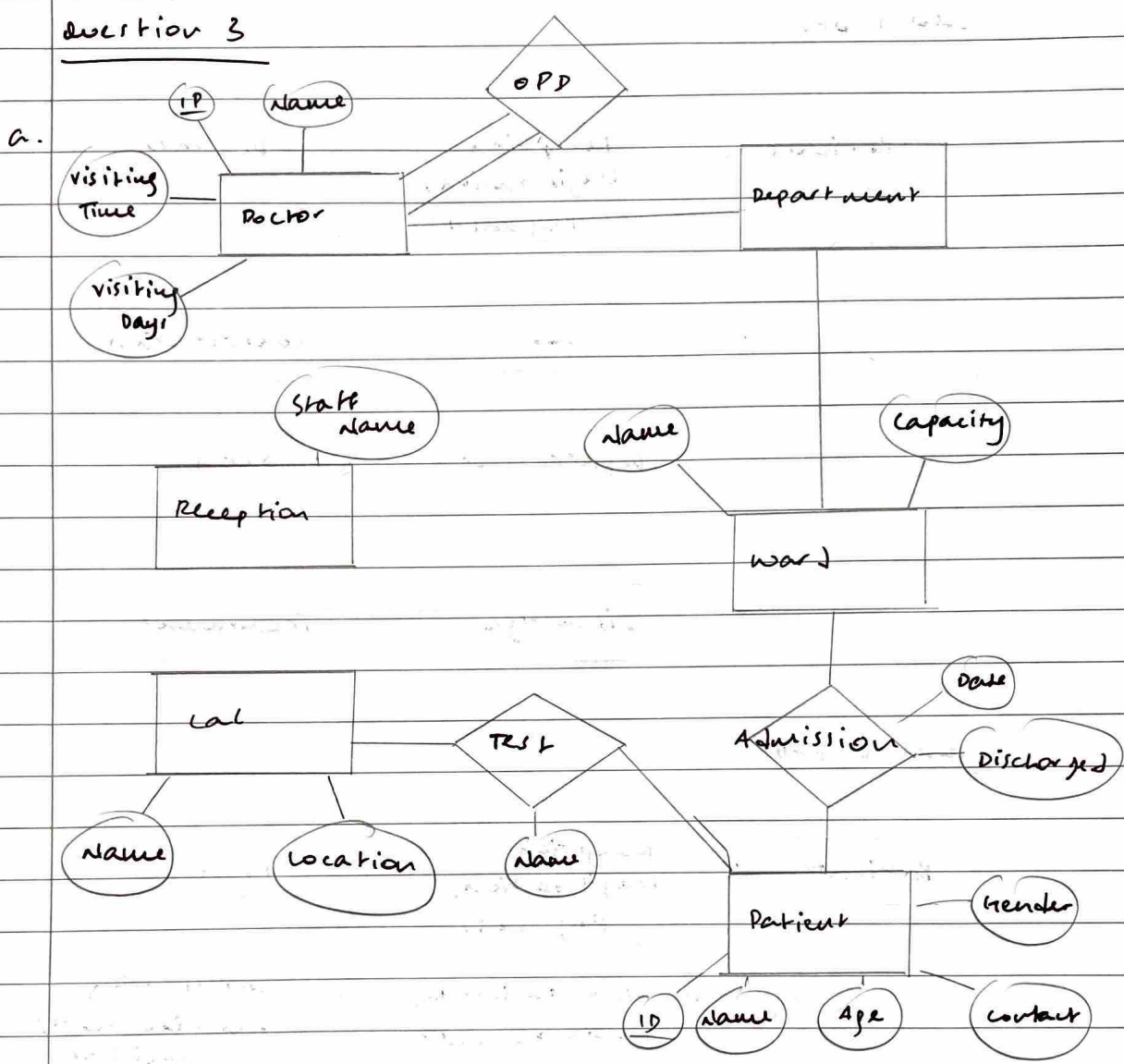
- c.
- Flexibility due to the dynamic and ever changing environment of a music festival
  - Progressive testing for entering resources are tested and guaranteed to be working before proceeding
  - Parallel activities
  - Reduced risk and single point of delay and failure
  - Improved communication + feedback

d. Waterfall - not flexible to changing requirements

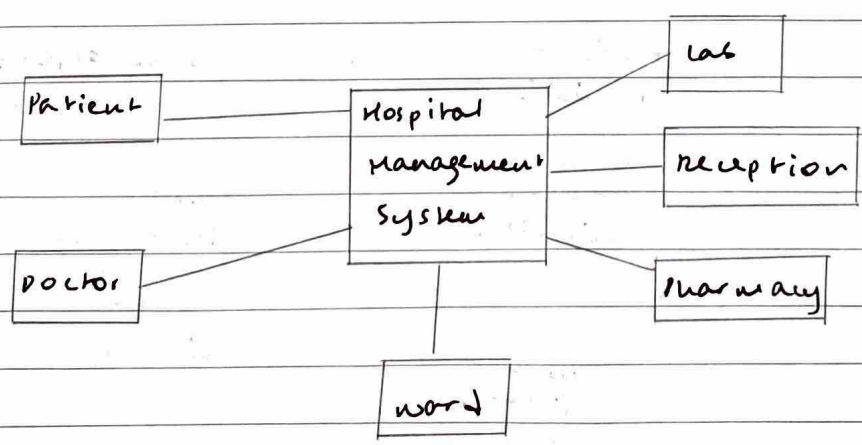
RAD - extremely resource intensive

Prototyping - lack of structure and requires multiple prototypes (event happens only once)

### Question 3

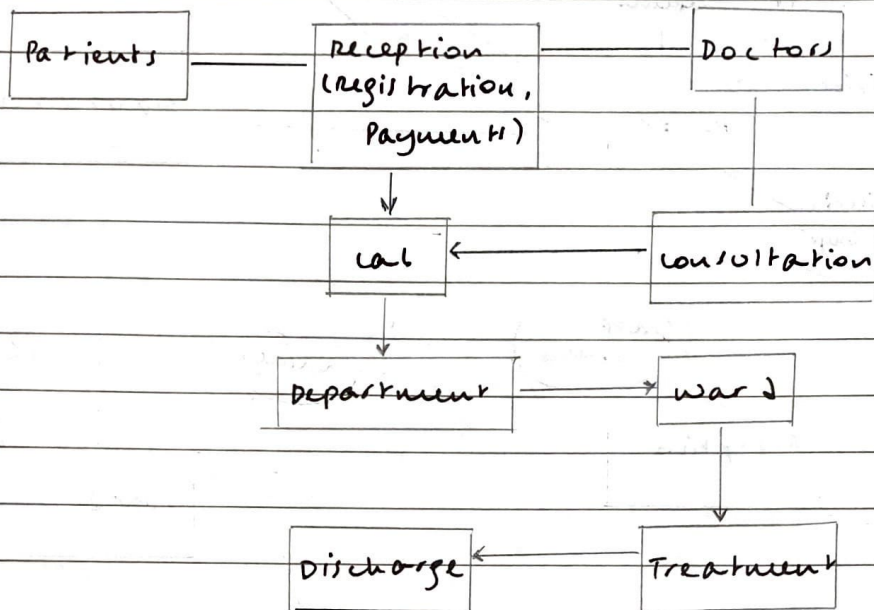


### 6. Context Model





# LEVEL 1 DFD



## LEVEL 2 DFD

