

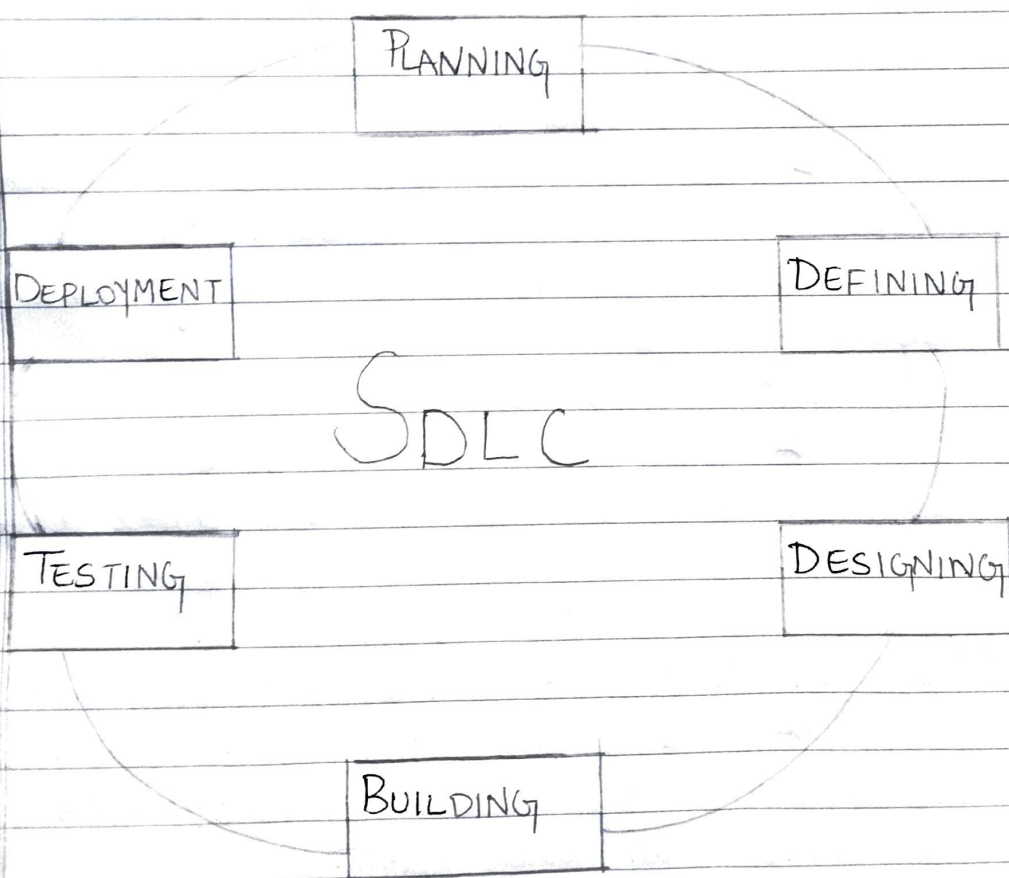
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Sai Ram. K.

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## Part-B

- Q.2] A software development life cycle is a process used by the software industry to design, develop and test high quality software's.
- It aims to produce high quality software that meets or exceeds expectations, reaches the completion within times & estimates.
  - It is also called Software development process.



Saisham

## → STAGES OF SDLC PROCESS:-

- (I) STAGE 1: Planning and Requirement analysis.  
↳ In this phase leaders evaluate the terms of the project. Costs, goals, allocating teams are done in this stage.
- (II) STAGE 2: Defining requirements  
↳ In this phase the objectives such as what this project is supposed to do & also defining the resources.
- (III) STAGE 3: Designing product architecture.  
↳ In this phase visual representation is implemented. Architecture, user interface, platforms, programming, communication & security are covered here.
- (IV) STAGE 4: Building or developing the product  
↳ This is the core phase & where actual writing of code is done. It also constitutes of documentation for the basic features.
- (V) Stage 5: Testing the product.  
↳ This phase is critical as it is required to test the written code, check for errors & rectify. The cycle continues until its fit for deployment.
- (VI) Stage 6: Deployment in market & maintenance.  
↳ In this phase the app is made available to the users. It constitutes of the website at user level.