( What is SDLC?

The Software Development Life (yele (SLDC) is the cost-effective and time-efficient process that development teams used to design and build high-quality software.

The goal or SDLC is to minimize project risks through forward planning so that software meets customer expectations during production and beyond.

- (2) What is the importance of the SDLC process?

  It enables the production of high-quality, low-cost software, in the shortest focsible production time.
- 3 Paplain the phrases in typical SDLC proce process briefly
  Planining Obtain approval for project, initiate, Assess

feasibility plan schedule.

Analysis - Understand business needs and processing needs.

Design - Define solution system based on requirement and analysis decision.

Implementation - Construct, test, train users, install new system

Maintenance - Keep system healthy and improve.

\* Waterfall model - It is universally accepted

This is a continous Software development model in which development is seen as flowing steadily downwards

clevelopment is seen as flowing steading advantaged clike a waterfall) through the step as of requirements analysis, design, implementation, testing (validation) integration and emaintenance.

\* V-Model - In this model type testing and
the development, the step is planned to
parallel. So, there are verification Phases
on the side and the validation phase
is on the otherside. Duradel jains by
coding phase.

\* RAD Model - Rapid Application Development process
is an adoption of the waterfall model.

At targets developing a software in
a short period It uses forcus-groups
to gather system requirements.

Agile Model - This model promotes continous interaction of development and testing during SDLC process of any project.

Termials @ 2023/05/10.

Feasibility students,

(1) What is meant by feasibility study?

\* A prediomary exploration of a proposed preliminary exploration of a proposed project or undertaking to determine its merrits and viability. & Simply 1ts an evalution to check whether the project is possible or not.

- @ What is the importance of having a feasibility study pepart in a project? \* To identify the logical, financial and market challenges of a proposed project.
- \* It helps to determine the viability of the project. the structure is a statement of the series
- (3) Briefly describe the four types of techniques used in feasibility study.

DEconomical feasibility - A measure of cost-effectiveness of a project or solution. (cost-benefit Analysis)

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- 2) Pechnical feasibility A measure of practicality or q specific technical solutions and the availability of technical resources and expertise,
- (A) 3) schedule feasibility - A measure of how responsible the project timetable 15