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ASSIGNMENT

# Question - 1

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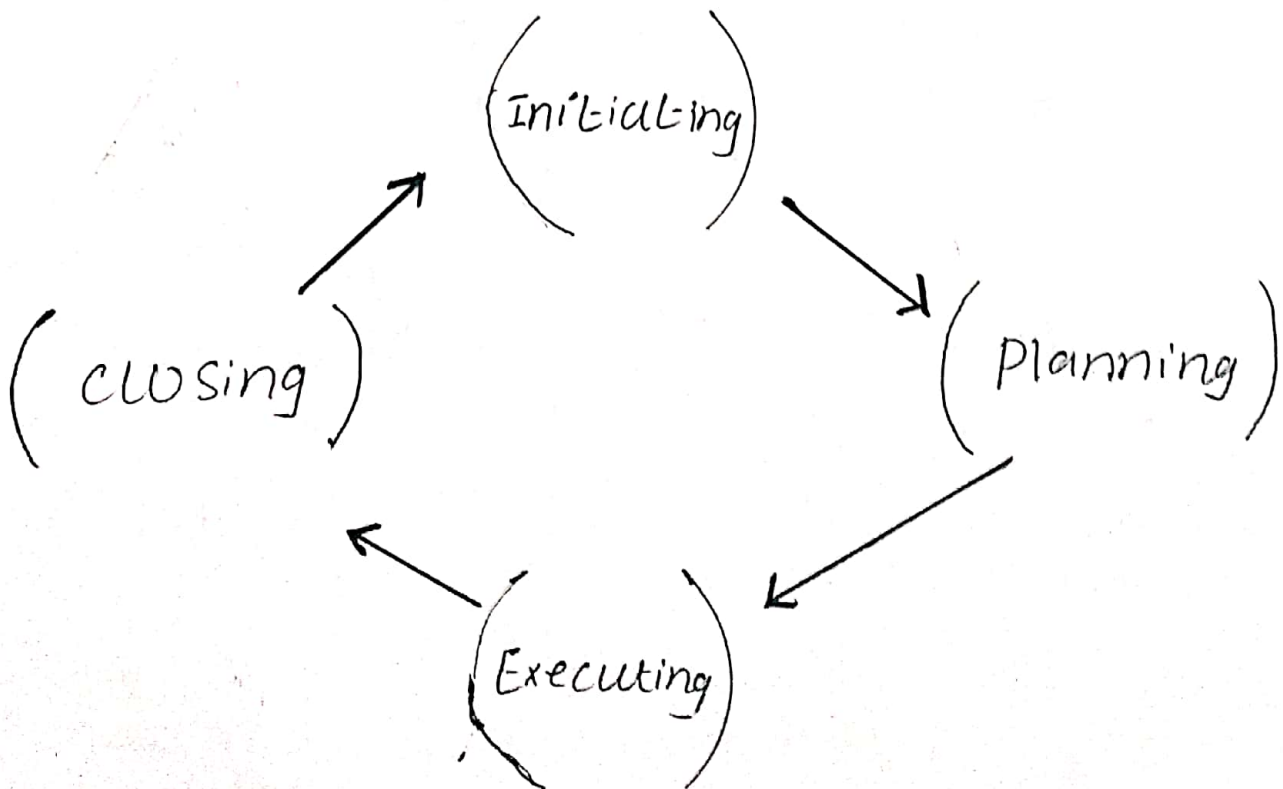
## Project Life Cycle:

A project life cycle is the sequence of phases that a project goes through from its initiation to its closure. The number and sequence of the cycle are determined by the management and various other factors like needs of the organization involved in project, the nature of the project, and its area of application. The phases have a definite start, end, and control point and are constrained by time. The project lifecycle can be defined and modified as per needs and aspects of the organization. Even though every project has a definite start and end, the particular and activities vary widely. The life-cycle provides the basic foundation of the actions that has to be performed in the project, irrespective of the specific work involved. project? Life cycles can range from predictive or plan-driven

approaches. In a predictive life cycle, the specifics are defined at the start of the project and any alterations to scope are carefully addressed. In an adaptive life cycle, the product is developed over multiple iterations, and detailed scope is defined for iteration only as the iteration begins. (2)

### FOUR PHASES OF THE PROJECT:

1. Initiating
2. Planning
3. Execution
4. Closing / Termination





## 1) Initiation Phase :

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This phase aims to define and authorize the project. The project manager takes the given information and creates a project charter. The project charter authorizes the project and documents the primary requirements for the project. It includes information such as

- \* Project purpose, vision and mission
- \* measurable objectives and success criteria
- \* Elaborated project description, conditions and risks
- \* name and authority of the project sponsor
- \* concerned stakeholders

## 2) Planning Phase

The purpose of this phase is to lay down a detailed strategy of how the project has to be performed and how to make it success.

It consists:

- \* Strategic planning
- \* Implementation planning

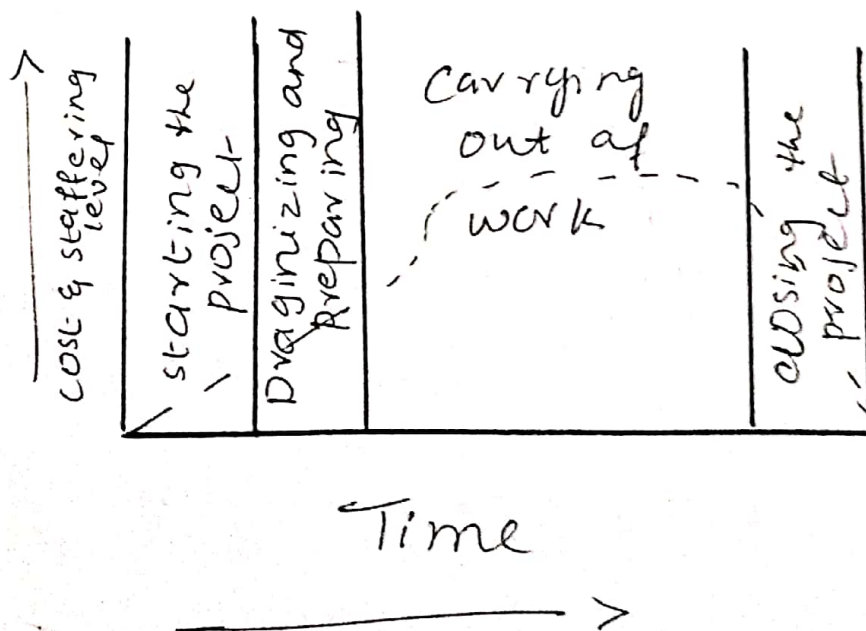
### 3) Execution Phase :

(4)

In this phase, the decisions and activities defined during the planning phase are implemented. During this phase, the project manager has to supervise the project manager and prevent any errors from taking place. This process is also termed as monitoring and controlling.

### 4. Termination Phase :

This is the last phase of the project and it marks the official closure of the project.



## Question - 2

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### Major types of construction projects:

There are four major types of construction projects.

#### 1) Residential Building:

The first type of construction is residential housing construction which involves building, repairing, and remodeling of structures for the purpose of housing people, supplies or equipment. It includes apartments, town homes, condos, nursing homes, dormitories etc. also garages and outbuildings like utility sheds are considered as residential constructions as mentioned above, residential construction also involves repair and installation of utilities like water as electricity around the structure.



## 2) Institutional and commercial building : (6)

The type of construction encompasses projects schools, sports arenas, shopping centre, retail stores etc.

It involves both putting up of new structures and repair and maintenance of existing structures. Typically, a project like a retail store is usually commissioned by a company or private owner.

## 3) Specialized industrial construction :

The third type of construction is specialized industrial construction which entails building structures that require high level of specialization as well as technical skills in planning, construction and design. This type of construction is carried out for profit or industrial corporations.

## 4) Infrastructure and Heavy Construction ;

(7)

The last type of construction is infrastructure and heavy structure which encompasses building and upgrading of railways, communications and roads, railways to surroundings of a city or existing building construction. This type of construction usually done due to public interest and is often executed by government agencies and large private corporations.

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