

Date: _____

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SECTION

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SUBJECT

CONSTRUCTION MANAGEMENT

QUESTION # 01

What is project life-cycle Explain briefly with diagram?

PROJECT LIFE CYCLE :

A standard project typically has the following for major phases :

Initial, planning, implementation and closure. Taken together, these phases represent the path a project takes from the beginning to its end and are generally referred to the project life cycle.

→ Following are the phases of project life cycle:

- (i) Initiation.
- (ii) planning.
- (iii) execution.
- (iv) closure.

INITIATION :

Firstly you need to identify a business need, problem, or opportunity and brainstorm ways that your team can meet this need for solve your objective for your project, determine whether the project is feasible and identify the major deliverable for the project.

STEPS FOR INITIATION:

- understanding a feasibility study
- Identifying scope
- Identifying deliverable
- Identifying project stakeholders
- Developing a business case
- Developing a business work.

Once the project is approved to move forward passed on your business down the longer project into smaller tasks. build your team, and prepare a schedule for the completion management. create smaller goal within the longer project making sure each is achievable.

Within the time frame. Smaller goal. Should have a high potential. for success.

STEPS FOR PROJECT PLANNING:

- Creating a project plan.
- Creating workflow diagram
- Estimating budget and creating a financial plan.
- Identifying Resource.
- Anticipating Risk and potential Quality road.
- Holding a project kickoff meeting.

Execution:

your Record business approval → developed a plan and built your team. now its time to get to work. the execution phases turns your plan into action. the project manager life cycle is to keep work on track, organize team member manager timeline and make sure the work is done according to the original plan.

STEP FOR THE EXECUTION =

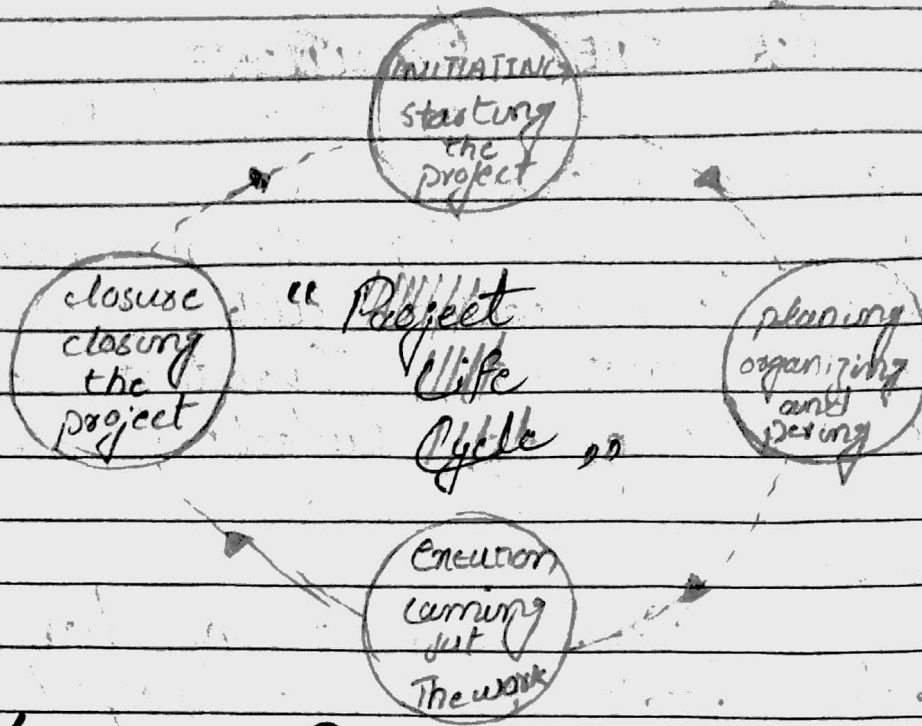
organizing work flows. Creating tasks and
or Task Communication with Team members
members monitoring. Evaluating of
work Managing budget.

CLOSURE =

Completed. Once your team has
Enter the closure phase. In
the closure phase you provide
finally deliverable, release project
resources and determine the
Success of the project. Just
manage it is done.
these are still important
thing to do including evaluating
what did and did not
work with the project.

Step for Closure

Analyzing team performance
Documenting project closure.
conducting post-Implementation Review
Analyzing Project performance
According to used and unused
budget.



Question No 2

Define and explain major types of construction project?

CONSTRUCTION PROJECT.

→ A construction project some time just referred to as a project is the organized process of constructing, renovating, refurbishing etc building structures or infra structures.

→ Following are the four major types of construction project

- (i) Residential Building.
- (ii) Constitutional and Commercial Building

⑧ Specialized Industrial Construction.
Infrastructure and heavy construction.

RESIDENTIAL BUILDING



The first types of construction is Residential, housing construction which involves building, repairing and remodeling of structure for the purpose of housing people. Supplies or apartment town houses, lodges, nursing homes, dormitories, etc also utility sheds or considered as residential. Construction As mentioned above residential construction also involves repairing and installation of utilities like water and electricity around the structure.



The design of residential housing project is usually and the construction itself executed by construction companies who hire sub contractor.

INSTITUTIONAL AND COMMERCIAL

Building -

This type of construction encompasses project school, sports arenas, shopping center, hospital stadium, retail store and sky scrapers, like the residential housing construction institutional and commercial building involves and putting up new structure and repairs and maintenance of existing structure. Typically a project like store is usually commissioned by a other projects such as private owners are often paid for and managed by both the local and national government.

SPECIALIZED INDUSTRIES CONSTRUCTION

The third type of construction is specialized industrial construction which entails building structure that requires a high level of specialized as well as technical skill in planning and design. Typically, this

place of construction carried out for profit or industrial corporation for building structure chemical industry can build up oil refineries and power generation nuclear power plant and hydro electric power plant which are example of specialized industrial construction.

INFRASTRUCTURE AND HEAVY CONSTRUCTION

The last types of construction is infrastructure and heavy construction which encompass building and upgrading of railway communication and road railways to the soundings of a city or existing building of construction. This types of construction interest done due to public interest and is often executed by government against and large private corporation. Some other project that fall under this types construction include tunnels, bridges, highway, tramway system, drainage system and pipelines.