



Introduction to Construction Management

- i. What makes construction industry different from other industries?

No two projects are the same, making the construction industry unique.

- ii. The accident rate in construction industry is four times higher than that in any other industry. Why?

It is a high risk environment with moving machinery, manual handling, potential slips and trips, falling debris and working at height causing most injuries.

- iii. Outline the main duties that mid-level management perform in construction industry.

Procurement of materials, labour and equipment management, lift and HVAC installations

- iv. What does the first line manager do?

Takes instruction from the mid-level manager and report back during the construction.

- v. Give a broader classification of basic activities of a construction project.

Construction projects all start with the design and planning, the owner decides what they require.

This then goes on to the managers, architects, structural engineers and civil engineers.

Construction contractors, including site managers, supervisors, health and safety managers and tradespersons will then oversee the construction works, in line with the passed plans.

Constant supervision and inspections will be carried out throughout the construction process until completion and handover to the client.

2. "Each construction project is a unique project." Discuss. Also, describe the "one off"

Characteristic of construction industry. (7)

Each construction project is unique because of many different factors,

Every plan and design will be different, ground conditions, weather, access and egress for construction vehicles and materials etc.

The construction industry is constantly changing or upgrading equipment or methods for better quality

A major difference between other manufacturing industries and construction is products arising from the construction sector are stationary, whilst other manufacturing sectors tend to be mobile.

(83). Discuss the specific characteristics of construction industry which make it different from others.

In the manufacturing industry, the product passes through different stages and sections of the factory until a finished product is achieved.

Whereas, in the construction industry, the work is done on site until the finished product is produced