



BRENTWOOD
OPEN LEARNING COLLEGE

Assignment Cover Sheet

Student Name:	Akaram Abdalla Mohamed Osman Mohamed Elhag
Student Number:	15958
Course:	Diploma in Construction Management
Assignment NO:	1

Marking Criteria:

We expect the learners to write minimum one well expressed point in three lines against each allocated mark. This means one needs to write 15 lines with 5 well expressed points to get high grades for a 5 marks question.

For high grades use examples and illustrations where appropriate.

1-Give short answers to the following questions:

- i. What makes the construction industry different from other industries?
Construction industry is unique compared to other industries and the main characteristic of a construction project is that it very complex. Each project has a different nature of work, located at different workplace, employ different personnel and parties with different numbers and produce different type of products.
- ii. The accident rate in the construction industry is four times higher than that in any other industry. Why?
Because of the high propensity of an accident occurring. The wide range of varying working conditions involving supported structures, moving equipment and labor make the site highly unpredictable environment.
- iii. Outline the main duties and responsibilities of the construction supervisor.
The main duty of the construction supervisor is to motivate and coordinate activities of workers to get the job done on time Safely and within the budget limit

2- Discuss some important features of the construction industry.

- Complexity: The modern construction industry is highly mechanised and complex; it involves complex interactions between a vast array of resources, such as thousands, who are skilled in labour, equipment, such as, cranes, earth movers, logistics etc., all interconnected into thousands of activities. Activities may overlap simultaneously or in sequential discrete steps or even randomly – a phenomenon more complex than found in ordinary factory or manufacturing context.
- Uniqueness: Construction differs from other industries is that no two projects are ever the same. This uniqueness of each project is defined by the nature of the site of construction and is also influenced by the weather, as well as, the ground conditions due to various site locations.

- **Mobility of Facilities:** The major difference between the construction and industries is that products resulting from construction are stationary, while those, which results from manufacturing for instant tend to be mobile during value addition. Construction industry requires moving resources such as labour, equipment etc., from one place to the other to create products under dynamic and hazardous working conditions.
Manufacturing industries on the other hand require products at various stages of product lifecycle to move from one facility to the next for value to be added.
- **Multiplicity of Agencies:** Many agencies (Stakeholders) are involved in construction projects, from the conception of the product through to the completion of the project. Each agency is expected to play a specific role in the course to the project lifecycle. These agencies may include governmental agencies, land authorities, planning agencies, fire department, and Town and Country Planning Councils, etc. Their roles may differ but basically, they ensure that the project complies with the laws of the land. They carry out inspections and provide certifications for various activities on site. Supervisors serve as the link between workers and top management levels of the organisation.

3- How has the growth in technology affected the construction industry?

The growth in technology means that companies must adopt new approaches to managing and building projects. In order companies to keep on track they require new and better materials to use, newer techniques of accomplishing tasks at lower costs and better time management skills, and newer equipment for more productive work,

Student Statement:

By submitting this assignment, I confirm that this is my own work.

Student Signature		Date	13/01/2018
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For Tutor / Assessor Use Only

Total Marks	
Marks Obtained	
Percentage / Grade	