

**JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE
DEPARTMENT OF CIVIL ENGINEERING**

Slow learner Student's Assignment 1 [MTT-1]

CO1- To understand the concept of Engineering Economy, Depreciation and Depletion.

- Q.1 Write a short note on role of economics in Civil Engineering?
- Q.2 What is the difference between depreciation & depletion?
- Q.3 What is unit cost method of estimation? Also gives its various level of hierarchy.
- Q.4 Describe construction cost estimate with its type in detail?
- Q.5 What is effect of scale on construction cost?
- Q.6 “Managerial Economics plays a very crucial role in engineering”. Comment.
- Q.7 Write down the break even analysis assumption.
- Q.8 Write a short note on the cost control problem?
- Q.9 What is life cycle cost analysis? Describe in detail.
- Q.10 Plot a diagram showing Total cost, fixed cost and variable cost. Also describe each.

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Slow learner Student's Assignment 2 [MTT-1]

CO2- To understand various safety programme in construction..

Q.1. Describe the ways to prevent injuries and improve safety included in hazard control?

Q.2. Describe about basic personal protective equipment for construction workers?

Q.3. Define safety in demolition of building? Also describe its technique, method of demolition, precaution and safety measurements.

Q.4. Classify type of accidents in brief.

Q.5. Describe safety principle with respect to ground reality.

Q.6. What does national building code say about fire safety.

Q.7. Give main reason for establishing an effective safety management program.

Q.8. Describe in detail reporting accidents and injuries on construction site.

Q.9. Describe role of various agencies in safety management?

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Slow learner Student's Assignment 3 [MTT-2]

CO3- To understand need of construction planning and objective of material management.

- Q.1. Why is the construction planning function is so important and well paid?
- Q.2. what is a Job Layout? Give the principle, purpose and advantage of good job layout?
- Q.3. How to build a project schedule? Give its step to explain.
- Q.4. which type of stages of inspection and quality control are involved in construction?
- Q.5. what is the objective of material management?
- Q.6. Differentiate between construction planning and scheduling?
- Q.7. Write down the effective construction management plan?
- Q.8. Write down the principle of inspection?
- Q.9. Define the purpose of scheduling in construction?

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Slow learner Student's Assignment 4 [MTT-2]

CO4- To understand the various technology and equipment involved in construction.

Q.1. Write down comparative advantage of Crawler Tractor mounted and Wheel Tractor mounted?

Q.2. What is a Pile driver?

Q.3. What is Explosive? Give the classification of explosive in detail.

Q.4. Define equipment for hauling? Define road haulers in detail.

Q.5. Write a short note on Bulldozer?

Q.6. What is Power Shovels? Give the classification, operation, applications of Power Shovels?

Q.7. What do you mean by construction equipment?

Q.8. Classify common construction equipment?

Q.9. What is clamshells? Write down operation and application of it?

Q.10. Define Dragline. Give operation, applications, advantage, disadvantage and factors affecting outline of dragline.