

Total No of Questions : 5

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**EI-212**

**B.E. (VIIIth Sem.) (CGPA) Civil Engg. Examination-2015**

**CONSTRUCTION, TECHNOLOGY & MANAGEMENT**

**Paper - CE 803**

***Time Allowed : Three Hours***

***Maximum Marks : 60***

**Note :** Attempt any two parts from each question. All questions carry equal marks. Answer must be to point only.

Q.1 (a) What do you understand by "form work". Describe following with neat sketches :

(i) Plywood form work

(ii) Steel form work.

(b) Explain in brief difference between PERT and CPM networks. Explain the circumstances under which one is preferred over the other.

(c) Discuss the classification of Construction work and importance of each.



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(d) What are various steps in Development of Network? Explain in brief.

Q.II (a) Discuss in brief role of Construction Equipment in speedy and Economical Completion of Large Construction Project.

(b) Compare any two types of excavating or earth moving equipment in details. Give sketches.

(c) Describe any one type of Compaction Equipment suitable for Sandy Soil.

(d) Sketch Pile Driving Equipment? Give sketches and describe various parts.

Q.III (a) Write note on tender and discuss the different types of tenders.

(b) Write procedures followed after the opening of a tender.

(c) Discuss :

(i) Security Deposit

(ii) Earnest Money.

(d) What is Arbitration? When it is needed and why?



- Q.IV (a) Explain the need for the Construction manages for having a knowledge of the departmental procedure and accounting methods.
- (b) Distinguish between Administration Sanction and Technical Sanction.
- (c) What is the procedure for maintaining Imprest Account? Distinguish between Imprest Account and Temporary. Advance Account.
- (d) Bring out the importance of M-book and Guide lines for moving entries.
- Q.V (a) Discuss the importance of Contract Labour Act with reference to the Construction Industry.
- (b) Explain the Minimum Wages Act and the Payment of Wages Act with reference of Construction Labour.
- (c) Discuss various important four forms used in Construction Work.
- (d) Write in brief problems in Equipment Management at site.