

**B.Tech. Civil (Construction Management) /
B.Tech. Civil (Water Resources Engineering) /
B.Tech. (Aerospace Engineering)**

Term-End Examination

00861

December, 2015

**ET-524(A)/ET-534(A) : PRINCIPLES OF ENGINEERING
MANAGEMENT AND ECONOMICS**

Time : 3 hours

Maximum Marks : 70

Note : Attempt any **seven** questions. All questions carry equal marks. Assume any missing data suitably.

1. What are Theory 'X' and Theory 'Y' as proposed by Douglas McGregor? Explain with examples. 10
2. Describe the various steps involved in the process of communication. List down the potential problems in communication. 6+4=10
3. Write briefly on 'Organisation Chart'. Find out the benefits and deficiencies of Organisation Chart or Manual. 4+6=10
4. What is delegation of power? Explain. Discuss its advantages and disadvantages. Why sometimes do managers not want to delegate power? Explain. 1+5+4=10

5. Differentiate between 'Quality assurance' and 'Quality control'. Write briefly on Acceptance Sampling technique. 5+5=10

 6. Elaborate the decision-making process under different states of nature with examples. 10

 7. What are the different reasons for overrun of Indian projects ? Elaborate any two reasons in detail. 3+7=10

 8. Write briefly on Technology Transfer and Foreign Collaboration in context with Project implementation. 5+5=10

 9. Define 'Value' as applied for Value Engineering approach. Discuss the seven phases of Value Engineering approach with proper examples. 10

 10. Write briefly on Environmental Impact Assessment. Prepare a list of 10 (ten) different projects requiring environmental clearance from the Government of India. 5+5=10
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