

Roll No. ....

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**M.Tech.**  
**VALUE ENGINEERING**  
**SUBJECT CODE : IE - 521**  
**Paper ID : [E0615]**

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 100

**Instruction to Candidates:**

- 1) Attempt any **Five** questions.
- 2) All questions carry equal marks.

- Q1)** What is the difference between value engineering and cost reduction techniques? Discuss the different areas of application of value engineering.
- Q2)** Explain the SWOT analysis with the help of examples.
- Q3)** Describe an to how attitude and creativity helps in value analysis.
- Q4)** Explain, information phase, function phase, evaluation phase, recommendation phase and implementation phase.
- Q5)** What do you understand by value? How team approach helps in value analysis in an organisation? Discuss.
- Q6)** Discuss a case study in value engineering and analysis of any manufacturing industry.
- Q7)** Write a detailed note on value engineering cell.
- Q8)** Write notes on :
- (a) Cause and effect diagram.
  - (b) Customer and value.

