

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
M.Tech., Summer 2017 - 18 Examination

Semester: 2
Subject Code: 03216181
Subject Name: Value Engineering

Date: 28/05/2018
Time: 2:00 pm to 4:30 pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1** A) Explain Difference between Value Engineering and Value Analysis. (05)
B) Explain Difference between Price, Cost and Value. (05)
C) Explain Roadblock on Construction site. (05)

- Q.2** **Answer the following questions.** (Attempt any three) (Each five mark) (15)
A) Justify Statement: Value management is one step ahead of project management technique
B) Justify Statement: The goal of value engineering study is to achieve true value for the client.
C) Justify Statement: Hidden design costs are targeted by value analysis in VE Study
D) Define with respect to VE: Basic Function, Secondary Function, Support Function

- Q.3** A) Explain with example Cost Value, Exchange Value, Function Cost, Esteem Value, Value Index (07)
B) Explain Fast diagram, basic rule of Fast diagram for preparing the fast diagram (08)

OR

- B) Prepare the fast diagram of Pencil. (08)

- Q.4** A) What is the importance of creative thinking in value analysis? Discuss characteristics of creative model. (07)

OR

- A) Carry out function analysis of fly ash brick wall also carry out creative phase and matrix analysis. (07)

- B) Explain different phases of VE Job plan (08)