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P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)

Semester, B.E. – Civil Engineering

Semester End Examination; Dec. - 2014

Construction Engineering and Entrepreneurship

Time: 3 hrs

Max. Marks: 100

*Note: i) Answer any FIVE full questions selecting at least TWO full questions from each part.
ii) Draw suitable sketches where ever necessary.*

PART – A

1. a. Differentiate between :
 - i) Problem solving and decision making 10
 - ii) Intuition and analysis
- b. Explain the procedure involved in analyzing economy of engineering projects. 10
2. a. Explain how the materials are managed at the construction site. 10
- b. Explain the various methods involved in maintaining quality at the construction site. 10
3. a. Explain the various steps involved in planning a construction project. 10
- b. Define the terms:
 - i) slack ii) critical path 10
 - iii) early event time iv) latest event time
4. a. Explain any two equipment used for highway construction. 10
- b. What are the various factors considered for selecting an equipment for construction. 10

PART – B

5. a. Define the following terms :
 - i) sinking fund ii) capitalized value 10
 - iii) depreciation iv) obsolescence
- b. Explain the procedure involved in valuation of properties. 10
6. a. Explain the functions of an Entrepreneur. 10
- b. Explain the various characteristics of an Entrepreneur. 10
7. a. Write a note on: 20
 - i) KIADB ii) SIDBI iii) KSFC iv) TECKSOK
8. a. Explain the need and significance of project. 10
- b. Bring out the various errors in project report. 10