

**SUBJECT CODE NO: E – 8252**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**M.E. (Mechanical) Examination Nov/Dec 2017**  
**El-2 Productivity Management**  
**(Revised)**

[Time: Three Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

- N.B
- I. Solve any three questions from each section.
  - II. Figures to the indicate full marks.
  - III. Assume suitable data wherever necessary and state it correctly.

**Section A**

- Q.1 a) What is Productivity? Explain the productivity cycle. 07  
 b) Discuss the hard and soft factors affecting productivity in an enterprise. 06
- Q.2 a) What is productivity benefit model? 07  
 b) What are productivity evaluation models? 06
- Q.3 a) What is total productivity? How it can be increased? Give an example. 07  
 b) What is productivity appraisal? Explain in detail. 06
- Q.4 a) What is inter firm comparison? 07  
 b) Explain the Kurosawa structural approach. 06
- Q.5 Write short notes on : (any two) 14  
 a) Productivity improvement program (PIP)  
 b) JIT  
 c) Pareto analysis

**Section B**

- Q.6 a) What is method study? 07  
 b) What are the principles of motion economy? 06
- Q.7 a) Explain the concept of Brain storming? 07  
 b) What is Business Process Reengineering? 06
- Q.8 a) What are Predetermined Time Standards? 07  
 b) What is Activity Sampling? 06
- Q.9 a) What are Allowances? Why these are needed? Give an example. 07  
 b) What is work measurement? 06
- Q.10 Write short notes on (any two) 14  
 I) MOST  
 II) TPM  
 III) Types of elements.