

SUBJECT CODE NO:- P-8113
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E. (Mechanical) Examination May/June 2017
EI-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 right indicate full marks.
 - iii. Assume suitable data wherever necessary and state it clearly.
- Section A
- Q.1
- a) Define productivity and write down its importance and role for an enterprise. 06
 - b) Enlist and describe various internal factors of enterprise productivity improvement. (Hard & soft factors). 07
- Q.2
- a) Explain the method of productivity measurement at international, national and organization level. 07
 - b) Discuss productivity management in manufacturing and service section. 06
- Q.3
- a) Explain the Kurosawa structural approach for productivity analysis in the enterprise. 06
 - b) Explain inter – term comparison approach for productivities analysis. 07
- Q.4
- a) Describe various productivity evaluation models. 06
 - b) Elaborate the concept of zero base budgeting for productivity improvement. 07
- Q.5 Write short note on the following (any two) 14
- i. Work simplification and productivity.
 - ii. Just in time approach for enhancing productivity
 - iii. Quick productivity appraisal approach.
- Section B
- Q.6
- a) Explain the need for method study and how job is selected for it? 07
 - b) Explain brainstorming technique in the context of productivities enhancement. 06
- Q.7
- a) How BPR is implemented? Write down application of BPR in productivity improvement. 07
 - b) Explain pareto analysis tools application for productivity improvement. 06
- Q.8
- a) Write down any ten principles of motion economy. 07
 - b) Describe predetermined motion time – standard method for work measurement. 06
- Q.9
- a) How standard time is computed? What are the various allowances considered for it? 07
 - b) Elaborate various performance rating methods. 06
- Q.10 Write short note on the following (any two) 14
- a) Total productivity management (TPM)
 - b) Maynard operation sequence technique (MOST)
 - c) Types of elements.