SUBJECT CODE :- 8281
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E.(Mechanical) Examination Nov/Dec 2015
El-2 Productivity Management
(Revised)

[Time: Three Hours]   **[Max. Marks: 80]**

"Please check whether you have got the right question paper."
N.Bi) Solve any three questions from both the sections.
    ii) Figures to the right indicate full marks.
    iii) assume suitable data wherever necessary and State it clearly

Section A

Q.1	a) Explain the dynamics of productivity change and how it brings about chain reaction throughout the society?	09
	b) What is productivity and what is its relationship with production.	04
Q.2	Explain the various models of productivity and compare each model.	13
Q.3	Describe the various approach for productivity analysis in the enterprise also list problems in productivity analysis.	13
Q.4	a) Describe the strategic considerations for productivity improvement	07
	b) Productivity is a means for increasing the welfare of the nation. 'Justify the statement'.	06
Q.5	Write short note on the following (any two)	14
	i) Role of government, employer and workers for productivity improvement.	
	ii) Benefits and expectations of various stakeholders from productivity.	
	iii) Productivity measurement at various levels.	

Sections B

Q.6	a) Explain basic work content and excess work content. What are the techniques to reduce excess work content?	07
	b) Explain the Kanban system on applied in just in time technology.	06
Q.7	a) How is the job selected for method study?	06
	b) Write down the principles of motion economy as applied to arrangement of work place.	07
Q.8	a) Define the concept of BPR and what are the prerequisite for effective BPR implementation are.	07
	b) Explain in brief various techniques of work measurement.	06
Q.9	a) Define time study. Name time study equipments and explain briefly the utility of each of them.	06
	b) Define element. What are the different types of elements?	07
Q.10	Write short note on the following (any two)	14
	i) Meaning and objectives of TPM	
	ii) Performance rating	
	iii) Synthetic estimates of work times.	

K-2015