SUBJECT CODE NO:- P-8070 FACULTY OF ENGINEERING AND TECHNOLOGY M.E. (Mechanical) Examination May/June 2017 El-1 Maintenance & Reliability Engg. (Revised)

[Time : Three Hours]			[Max Marks :80]	
		Please check whether you have got the right question paper.		
N.B				
		iii) Assume suitable data if required.	6,4,00	
		Section A	2000 B	
Q.1	Solve	12		
Q.1		12		
		Explain the reliability management. Explain the pattern of failure.	XX	
	c)	\(\text{X} \sqrt{\text{A} \text{A} \tex		
Q.2	Explair	n the normal, log normal & Gamma distribution.	14	
Q.3	Explair	the system reliability analysis methods with help of suitable examples.	14	
Q.4	a)	Explain the exponential distribution.	07	
	b)	Explain the reliability function & Failure density function.	07	
Q.5	a) Explain the design for reliability.		07	
	b) Explain the reliability improvement.		07	
		Section-B		
Q.6	Solve any two:		12	
	7 / - 0	Explain the basic rules of success.		
	b)	Explain the application of terotechnology.		
	c)	Explain the Maintenance planning.		
Q.7	(a)	Explain the maintenance procedure for machine.	07	
		Explain the maintenance planning & requirement for production, Machine & equipment for production and the maintenance planning with the maintenance planning and the maintenance planning with the maintenance planning	nents. 07	
0.8	a)	Explain the objective of the maintenance.	07	
	(b)	Explain the corrective and preventive maintenance.	07	
Q.9	(a)	Explain the role of computer based management information system for maintenance	ce. 07	
	b)	Explain the Maintenance Organization.	07	
Q.10	a)	Explain the concept of Life cycle profit.	07	
N. 69 (A)	b)	Explain the challenges maintenance engineers	07	