Total No. of Printed Pages:02

SUBJECT CODE NO:- H-1811
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E. (Mechanical)
El - 1 Maintenance & Reliability Engg.
(REVISED)

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

Please check whether you have got the right question paper.

N.B 1) Solve any three questions from each Section.
2) Assume suitable data, if required.

Section A

Q.1	a) Explain the concept of Reliability.	06
	b) Explain the bath tub curve using suitable example.	08
Q.2	a) Explain the, reliability management.	06
	b) Explain the failure rate & hazard rate.	07
Q.3	Explain the Weibull distribution with suitable example.	13
Q.4	a) Explain the reliability block diagram method.	05
	b) Explain the fault tree & success tree method.	08
Q.5	Write short note on (Any two)	13

a) Design of reliability
b) Reliability allocation
c) Exponential distribution

Section B

Q.6	Explain the reliability improvement techniques for improve the system reliability.	14
Q.7	a) Explain the maintenance and profitability.	06
	b) Explain the application of terro-technology.	07
Q.8	Explain the production maintenance system & dynamic model.	13
Q.9	a) Explain the Basic rules of success.	06
	b) Explain the work planning for maintenance planning.	07

Q.10 Write short note on:- (Any two) 13

a) Management information
b) Maintainability
c) Maintenance procedure.