Total No. of Printed Pages:01

SUBJECT CODE NO:- H-1811
FACULTY OF SCIENCE 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 Bath tub curve.	06
	b) Explain the failure rate and Hazard rate.	08
Q.2	Explain the exponential, Gamma distribution.	13
Q.3	Explain the model selection for components failure & failure analysis.	13
Q.4	Explain the different reliability methods with suitable examples.	13
Q.5	Write short note on (Any Two)	13

a) Design of reliability.
b) Weibull distribution
c) Reliability Management

Section B

Q.6	a) Explain the design process.	06
	b) Explain the reliability allocation.	08
Q.7	Explain the types of maintenance and profitability.	13
Q.8	Explain the principle of terro-technology and applications.	13
Q.9	Explain the maintenance planning & procedure for machine maintenance.	13
Q.10	Write short note on (Any two)	13

a) Computer based Management information system.
b) Work planning
c) Labour cost for maintenance and control.

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