

DECVI

Term-End Examination

June, 2012

BIEL-037 : MAINTENANCE OF ELECTRONIC
EQUIPMENT

Time : 3 hours

Maximum Marks : 70

Note : Answer *any seven* questions. All questions carry *equal* marks.

1. Discuss briefly on the followings : 5x2=10
 - (a) Mean time to fail.
 - (b) Bathtub reliability curve.

2. Discuss different types of accelerators that are used to determine the reliability of Electronic equipment. 10

3. (a) State the essentials of a good equipment management program. 5
(b) Discuss the reasons of equipment failure. 5

4. (a) State the need of maintenance of Electronic equipments. 5
(b) Explain acquisition process of a Electronic Equipment. 5

5. Discuss briefly the fundamental steps involved in trouble shooting of an Electronic equipment. 10
 6. Discuss different procedures adapted for localizing the fault in a electronic circuits. 10
 7. Discuss different equipments that are used for signal tracing. 10
 8. (a) What is meant by functional analysis ? 5
(b) Give the methods for measurement of AC and DC voltage. 5
 9. (a) Explain different trouble shooting aids used for trouble shooting the faults in an electronic equipment. 5
(b) What is fault finding flow check ? 5
 10. (a) How Instruction manual is useful in trouble shooting electronic equipments ? 5
(b) Explain the important steps involved in systematic trouble shooting checks. 5
-