

DECVI

Term-End Examination

December, 2012

00043

BIEL-037 : MAINTENANCE OF ELECTRONIC EQUIPMENT

Time : 3 hours

Maximum Marks : 70

Note : Answer *any seven* questions. Each question carries equal marks.

1. (a) What is Preventive Maintenance and how it is different from qualitative maintenance ? 5
- (b) With neat sketch, explain the features of bathtub reliability curve. 5
2. (a) Discuss quality standards of an electronic equipment. 5
- (b) Why maintenance is essential ? State different types of maintenance. 5
3. (a) What do you mean by EMI ? How EMI protection can be provided to an electronic equipment. 5
- (b) Discuss Installation procedure of a Electronic Equipment. 5

4. (a) What is Log book of an Equipment? How it is maintained ? 5
- (b) What precaution should be taken for personal safety for trouble shooting an electronic equipment ? 5
5. Discuss different types of testing & measuring tools used for trouble shooting of electronic equipment. 10
6. State various trouble shooting techniques used for electronic equipments. 10
7. Explain the concept of In-circuit test and Out-circuit test. Give suitable example for both. 10
8. What is component failure ? How this fault can be diagnosed ? State the possible reason of component failure. 10
9. (a) Explain the use of Signal Injection and Signal Tracing. 5
- (b) Discuss briefly about a diagnostic software used for trouble shooting an equipment. 5
10. Discuss the steps involved in fault finding flow check. 10

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