

**DIPLOMA - VIEP - ELECTRONICS AND  
COMMUNICATION ENGINEERING (DECVI)**

**Term-End Examination**

**June, 2016**

00906

**BIEL-037 : MAINTENANCE OF ELECTRONIC EQUIPMENT**

*Time : 2 hours*

*Maximum Marks : 70*

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*Note : Attempt any five questions. All questions carry equal marks. Missing data may be suitably assumed.*

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1. Explain the differences between the traditional bathtub reliability curve and the generalized reliability curve. What is the significance of these curves in deciding the reliability of electronic equipments ? 8+6=14
  
2. Differentiate among Thermal Acceleration, Electrical Acceleration and Damp Heat Acceleration. 14
  
3. Explain the troubleshooting procedure for the component failure. Write down the maintenance policy for the protection from electromagnetic interference. 7+7=14

4. What are the steps involved in the management of service manual and reference library, maintenance arrangement and calibration check ? Explain in brief. 14
5. Explain the fundamental troubleshooting procedure involved in reading of block diagram, circuit diagram and working diagram. 14
6. Explain the following :  $2 \times 7 = 14$
- (a) Functional Area Approach
  - (b) Split-Half Method
7. Write short notes on any *two* of the following :  $2 \times 7 = 14$
- (a) Work Bench
  - (b) Fault Finding Aids
  - (c) Diagnostic Software
  - (d) Signal Injection and Signal Tracing
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