

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

**Term-End Examination**

00606

June, 2015

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

*Time : 2 hours*

*Maximum Marks : 70*

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*Note : Attempt any **five** questions. Use of scientific calculator is permitted. Each question carries equal marks.*

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1. (a) Explain traditional and generalized reliability curve with suitable diagrams. 7
- (b) Define the terms 'Mean Time to Fail' and 'Failure Rate' with proper illustrations. 7
2. (a) Explain Damp Heat Acceleration and Electrical Acceleration in detail. 7
- (b) Describe Corrective Maintenance and Qualitative Maintenance. 7
3. (a) Explain how do you interpret block diagram for fundamental trouble-shooting of electronic equipment. 7
- (b) Explain Di-assembly and Re-assembly procedures in trouble-shooting of electronic equipment. 7

4. (a) Discuss Fault Finding aids in detail. 7
- (b) What is Inventory Control and Preventive Maintenance ? 7
5. (a) Discuss the aspects of quality assurance in maintenance management. 7
- (b) Explain Split Halt Method and Functional Area Approach. 7
6. (a) Describe the essentials of good equipment management program. 7
- (b) Discuss in detail the installation procedures in maintenance management. 7
7. Write short notes on any **four** of the following :  $4 \times 3 \frac{1}{2} = 14$
- (a) Information Tags
- (b) Signal Tracing
- (c) Systematic Trouble-shooting Checks
- (d) Functional Analysis
- (e) Calibration
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