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## APPENDIX 1 Shock Risk

Electric Shock; Basic Protection; Fault Protection; What Is Earth and Why and How do We Connect to It?; APPENDIX 2 Basic Electrical Theory Revision; Electrical Quantities and Units; Relationship Between Voltage, Current and Resistance; Common Multiples of Units; Resistance in Series; Resistance in Parallel; APPENDIX 3 Sample 2377 Questions; The Management of Electrical Equipment Maintenance; Inspection and Testing of Electrical Equipment; APPENDIX 4 Answers to Sample 2377 Questions; The Management of Electrical Equipment Maintenance; Inspection and Testing of Electrical Equipment; Index

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### Sommario/riassunto

The Electricity at Work Regulations 1989 require any electrical system to be constructed, maintained and used in such a manner as to prevent danger. This means that inspection and testing of systems, including portable appliances, is needed in order to determine if maintenance is required. This book explains in clear language what needs to be done and includes expert advice on legislation as well as actual testing. The book contains an appendix providing the electrical fundamentals needed by non-specialists and also has sample questions (with answers) for the C&G

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