

# Table of Contents

Preface .....	5
<b>Part I: IT Scientific Texts and Exercises .....</b>	<b>7</b>
Introduction .....	11
Unit 1. Computer History .....	13
Unit 2. Antikythera Mechanism .....	19
Unit 3. Computer Generations .....	25
Unit 4 – Semiconductors .....	33
Unit 5 - Intergraded Circuits .....	41
Unit 6. Analogue vs. Digital.....	47
Unit 7. Hardware .....	55
Unit 8. CPU .....	61
Unit 9. Input & Output Devices .....	67
Unit 10. Peripherals.....	75
Unit 11. Software .....	83
Unit 12. Operating Systems.....	89
Unit 13. Data .....	95
Unit 14. Programming Languages.....	101
Unit 15. Microsoft Windows.....	109
Unit 16. PCs .....	115
Unit 17. Mainframes.....	123
Unit 18. Networks .....	129
Unit 19. Internet .....	137
Unit 20 – Telecommunications .....	145

Unit 21. Security .....	159
Unit 22 - Information Society .....	167
Unit 23 - E-learning.....	173
Unit 24 – Robotics.....	181
Unit 25. IT Professions.....	189
Unit 26 - Business IT.....	197
Unit 27 - E-Commerce .....	205
Unit 28 - Health IT.....	213
Unit 29 - Biomedical Technology .....	219
Unit 30 - CAE & CAD.....	225
Unit 31 - Remote Sensing and Photogrammetry.....	233
Unit 32 - Recent developments and the future of IT.....	241
<b>Part II: Useful English for IT Students and Professionals .....</b>	<b>249</b>
Unit 1 - Personal Data Resumes or Curriculum Vitae (CV) .....	251
Unit 2 - Letter Writing.....	265
Unit 3 - Reading .....	271
Unit 4 - Writing .....	273
Unit 5 - Speaking.....	277
Unit 6 - Tips of Grammar & Structure in Technical English .....	279
Unit 7 - Selected Issues of Grammar through Exercises .....	285
Unit 8 - Miscellaneous Topics.....	353
<b>Part III: English - Greek IT Vocabulary .....</b>	<b>361</b>
English – Greek IT Vocabulary.....	363
<b>Bibliography .....</b>	<b>401</b>