

UNIT 16

Exercise 1

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|---------------|-------------------|
| 1 panelboard | 5 superconductors |
| 2 watertight | 6 explosionproof |
| 3 rainproof | 7 overload |
| 4 switchboard | 8 dustproof |

Exercise 2

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|----------------|------------------------------|
| 1 laser | 6 robotics |
| 2 device | 7 branch circuit |
| 3 signal | 8 short circuit |
| 4 radar | 9 (circuit) breaker |
| 5 fibre optics | 10 junction (electrical) box |

Exercise 3

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|----------------------|----------------|
| a turbines | g transformers |
| b generators | h cable |
| c transformers | i fuse |
| d cables | j circuits |
| e power | k lighting |
| f transmission lines | l appliances |

UNIT 17

Exercise 1

- | | |
|-----------------|-------------------|
| 1 Transistors | 5 storage |
| 2 semiconductor | 6 reliability |
| 3 electronic | 7 microprocessors |
| 4 receives | 8 communication |

Exercise 2

- | | |
|------------------------|----------------------------|
| 1 amplified, amplifier | 6 storage |
| 2 entertainment | 7 transmission |
| 3 generation | 8 stored |
| 4 integrated | 9 Transmission, modulation |
| 5 reliable | 10 emitted |

Exercise 3

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|---------------|-----------------------|
| a Transistors | f integrated circuits |
| b Resistors | g semiconductor |
| c electrons | h silicon |
| d Diodes | i germanium |
| e Capacitors | j devices |

UNIT 18

Exercise 1

Devices	robot, radio, television, altimeter, computer
Functions	develop solutions, transmit data, diagnose problems, evaluate results, provide support
Applications	transportation systems, automotive industry, pharmaceutical industry, chemical industry, defence

Exercise 2

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|----------------------------|--------------------------|
| 1 space technology | 4 computer-guided robots |
| 2 satellite communications | 5 navigation aids |
| 3 personal computer | 6 consumer goods |

Exercise 3

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|---------------|-------------------|
| a medical | d instrumentation |
| b technicians | e examined |
| c repair | f architecture |