**Unit 202: 21st century construction techniques and technologies (Electrotechnical)**

# Worksheet 6: 21st century construction techniques and technologies for chosen trade (tutor)

1. List four advantages of modular building construction.

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| Tutor to accept any four of the following answers:   * Easy to build * Cheaper * Consistent quality * More eco friendly * Quicker to build |

1. List four disadvantages of modular building construction.

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| Tutor to accept any four of the following answers:   * + - * Can be difficult to get a mortgage for non-traditional builds       * Land restriction on the type of buildings that are allowed       * Resale issues, including value       * Equipment access required       * Changes are difficult       * Problems may only be apparent on delivery onsite |

1. List six Smart devices.

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| Tutor to accept any four of the following answers:   * Wireless thermostat * Smoke alarms * Intruder alarm systems * Video doorbell * Entertainment systems * Alexa or Google assistants * Heating controls * Lighting controls * Protection device monitoring * Smart metering |

1. List four advantages of a Smart meter.

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| Tutor to accept any four of the following answers:   * Cheaper tariffs are made available * You can understand your usage more clearly * No need to have or send meter readings * More accurate bills as no estimates are needed * Incentives to switch are available * Contributes to greener energy because demand planning is more accurate |