

**GCSE**

**Physics (Modular)**

**Module 23**

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**Physics in Action: Foundation Tier**

| <b>Question No.</b> | <b>KEY</b>  |
|---------------------|---|
| One                 | 1 – pressure switch<br>2 – thermistor<br>3 – moisture switch<br>4 – LDR   |
| Two                 | 1 – detecting changes in the environment<br>2 – carrying out actions<br>3 – making decisions about the action to take<br>4 – acting as a switch |
| Three               | 1 – resistors<br>2 – OR gates<br>3 – LEDs<br>4 – motors   |
| Four                | 1 – OR gate<br>2 – LED<br>3 – resistor<br>4 – capacitor   |
| Five                | 1 – capacitor<br>2 – conductor<br>3 – current<br>4 – potential difference (voltage)   |
| Six                 | R<br>T  |
| Seven               | lines W and Y are correct<br>line X is the only line which is wrong   |
| Eight               | 8.1 – D, 8.2 – C, 8.3 – A, 8.4 – D  |
| Nine                | 9.1 – D, 9.2 – B, 9.3 – C, 9.4 – A  |
| Ten                 | 10.1 – A, 10.2 – C, 10.3 – B, 10.4 – D  |

**Physics in Action: Foundation Tier**

| Question No. | KEY   |
|--------------|---|
| One          | 1 – capacitor<br>2 – conductor<br>3 – current<br>4 – potential difference (voltage)         |
| Two          | 1 – a mobile phone<br>2 – a phone mast<br>3 – CCTV<br>4 – the Internet                      |
| Three        | lines W and Y are correct<br>line X is the only line which is wrong                         |
| Four         | it shows the formation of a virtual image<br>it shows the principle of the magnifying glass |
| Five         | 5.1 – D, 5.2 – C, 5.3 – A, 5.4 – D  |
| Six          | 6.1 – D, 6.2 – B, 6.3 – C, 6.4 – A  |
| Seven        | 7.1 – A, 7.2 – C, 7.3 – B, 7.4 – D  |
| Eight        | 8.1 – A, 8.2 – C, 8.3 – C, 8.4 – C  |
| Nine         | 9.1 – B, 9.2 – A, 9.3 – B, 9.4 – A  |
| Ten          | 10.1 – A, 10.2 – B, 10.3 – A, 10.4 – B  |