

GCSE

Physics (Modular)

Module 23

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Physics in Action : Foundation Tier

| Question No. | KEY |
|--------------|--|
| One | 1 – input sensor 2 – processor 3 – relay 4 – output device |
| Two | 1 – converging 2 – real 3 – diverging 4 – virtual |
| Three | 1 – the LDR gives a low output 2 – the street lights switch on 3 – the LDR gives a high output 4 – the street lights switch off |
| Four | 1 – switch 2 – coil 3 – relay 4 – lamp |
| Five | 1 – charge 2 – current 3 – potential difference 4 – resistance |
| Six | LED motor |
| Seven | G J |
| Eight | 8.1 – B, 8.2 – C, 8.3 – B, 8.4 – A |
| Nine | 9.1 – B, 9.2 – D, 9.3 – B, 9.4 – B |
| Ten | 10.1 – C, 10.2 – C, 10.3 – A, 10.4 – C |

Physics in Action : Higher Tier

| Question No. | KEY |
|--------------|--|
| One | 1 – charge 2 – current 3 – potential difference 4 – resistance |
| Two | 1 – S 2 – R 3 – Q 4 – P |
| Three | G J |
| Four | the image is on the same side of the lens as the object the image produced is a virtual image |
| Five | 5.1 – B, 5.2 – C, 5.3 – B, 5.4 – A |
| Six | 6.1 – B, 6.2 – D, 6.3 – B, 6.4 – B |
| Seven | 7.1 – C, 7.2 – C, 7.3 – A, 7.4 – C |
| Eight | 8.1 – B, 8.2 – A, 8.3 – D, 8.4 – D |
| Nine | 9.1 – C, 9.2 – B, 9.3 – C, 9.4 – D |
| Ten | 10.1 – A, 10.2 – C, 10.3 – A, 10.4 – D |