| 6 | | State two differences between progressive waves and stationary waves. 1 | | | |
|---|---|---|--|-----|--|
| | | 2 | | | |
| | | [2] A source S of microwaves is placed in front of a metal reflector R, as shown in Fig. 6.1. | | | |
| | | nicrov sour S | ce | | |
| | | | Fig. 6.1 | | |
| | | A m | icrowave detector D is placed between R and S. | | |
| | | Des | cribe | | |
| | | (i) | how stationary waves are formed between R and S, | | |
| | | | | | |
| | | | | | |
| | | (ii) | how D is used to show that stationary waves are formed between R and S, | | |
| | | | | | |
| | (| (iii) | how the wavelength of the microwaves may be determined using the apparatus Fig. 6.1. | in | |
| | | | | | |
| | | | | | |
| | | | | [2] | |