

| Question number | Answer | Notes | Marks | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|------------------------------|--------|--------|--------|---|--|-------|---|--|--------|--|---|--------------|--|---|--------|---|--|--------|--|---|--|
| 2 (a) | a quantity with magnitude / size; (and) direction; | allow 'amount' for magnitude | 2 | | | | | | | | | | | | | | | | | | | | |
| (b) | <table><thead><tr><th>Quantity</th><th>Scalar</th><th>Vector</th></tr></thead><tbody><tr><td>energy</td><td>✓</td><td></td></tr><tr><td>speed</td><td>✓</td><td></td></tr><tr><td>weight</td><td></td><td>✓</td></tr><tr><td>acceleration</td><td></td><td>✓</td></tr><tr><td>charge</td><td>✓</td><td></td></tr><tr><td>moment</td><td></td><td>✓</td></tr></tbody></table> one or two correct ticks = 1 mark ; three or four correct ticks = 2 marks;; all five correct ticks = 3 marks;;; | Quantity | Scalar | Vector | energy | ✓ | | speed | ✓ | | weight | | ✓ | acceleration | | ✓ | charge | ✓ | | moment | | ✓ | |
| Quantity | Scalar | Vector | | | | | | | | | | | | | | | | | | | | | |
| energy | ✓ | | | | | | | | | | | | | | | | | | | | | | |
| speed | ✓ | | | | | | | | | | | | | | | | | | | | | | |
| weight | | ✓ | | | | | | | | | | | | | | | | | | | | | |
| acceleration | | ✓ | | | | | | | | | | | | | | | | | | | | | |
| charge | ✓ | | | | | | | | | | | | | | | | | | | | | | |
| moment | | ✓ | | | | | | | | | | | | | | | | | | | | | |

Total for question 2 = 5 marks

