Name: Class: Mark:

Barcode readers or scanners are widely used throughout the world.

1. In supermarkets in the past, a checkout clerk would enter the price of each item being purchased into the till.

(a) Describe how barcodes are used within supermarkets today. [3]

(b) Give **two** other applications of barcodes. [2]

2. A taxi company is considering issuing all its drivers with business cards which would include a QR code displayed on the reverse side.

(a) State **two** reasons that the QR code may be used. [2]

(b) Describe how a customer would make use of the QR code. [2]

(c) Describe **one** benefit to the taxi company of the use of QR codes. [2]

3. 3D scanners are often used to check parts on aircraft.

(a) Describe why a 3D scanner will be of benefit to an engineer checking an aircraft   
for damage. [3]

(b) State **one** other use for 3D scanners. [1]

[Total 15 Marks]