

# ECOSYSTEMS

## Mark scheme Foundation 2003

### Question 10

(a) (i) True, False, True. (3 marks)

(ii) Conical shape sheds snow, low growth to protect from wind, needles/thick

bark to conserve moisture/protect from frost etc. 3 x 1 mark or developed

point. (3 marks)

(b) (i) Correct labelling. 1 for one or two correct, 2 marks for all 3 correct. (2 mark)

(ii) Land turning into desert - answer needs to imply a process. (1 marks)

(iii) 1 mark for each step shown on diagram, e.g. more livestock leads to overgrazing leading to soil erosion and/or removal of vegetation and then desertification. (2 marks)

(iv) Level 1 1 - 2 marks

(Basic) Simple statements e.g. irrigation, planting trees, out-migration, improved animal/plants etc.

Level 2 3 - 4 marks

(Clear) Describes techniques so that they are clear. May make reference to an example.

Irrigation schemes may allow more land to be farmed reducing the pressure on other areas. Planting trees replace the vegetation cover and adds to the fuel wood supplies. (4 marks)

Total (15 marks)