National 5 Biology

**S4 Revision Homework 1** (source – Model Paper 2, Qus 3 & 4)

**Peer Marking Scheme**

Carefully peer mark using the marking scheme below. Remember wording is very important! If you are not sure ask your teacher for advice. Give constructive feedback at the end – What did they do well? How could they improve?

Underline = essential for mark

/ = alternative

() = non-essential for mark

Qu 3 (a) Nucleus (1mk)

(b) double stranded / double helix (1mk)

bases named – adenine/thymine/guanine/cytosine (1mk)

bases on each strand form complementary pairs (1mk)

(c) hormones/ antibodies/structural/receptors

Qu 4 (a)

Step 2

1st box = Human gene extracted/removed/cut out

2nd box = plasmid removed (both boxes = 1mk)

Step 3

Plasmid opened and human gene sealed in/inserted (1mk)

Step 4

Transformed plasmid inserted into bacterial cell (1mk)

(b) insulin / growth hormone (1mk)

(c) by a virus /vector