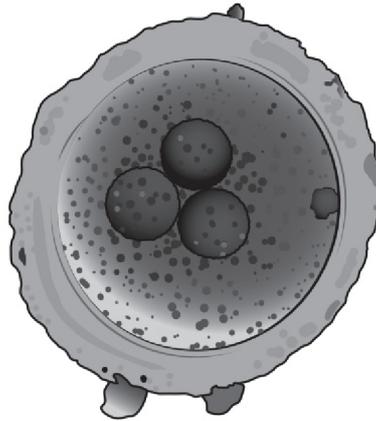


- (c) In vitro fertilisation (IVF) has been used to fertilise northern white rhino egg cells using the frozen sperm samples.

The zona pellucida of some egg cells were damaged when they were removed from the ovaries of the females.

The drawing shows a fertilised egg cell with three nuclei.



magnification  $\times 200$

- (i) State how to calculate the actual size of this egg cell.

(1)

- (ii) Suggest why this fertilised egg cell has three nuclei.

(3)

(Total for Question 6 = 12 marks)