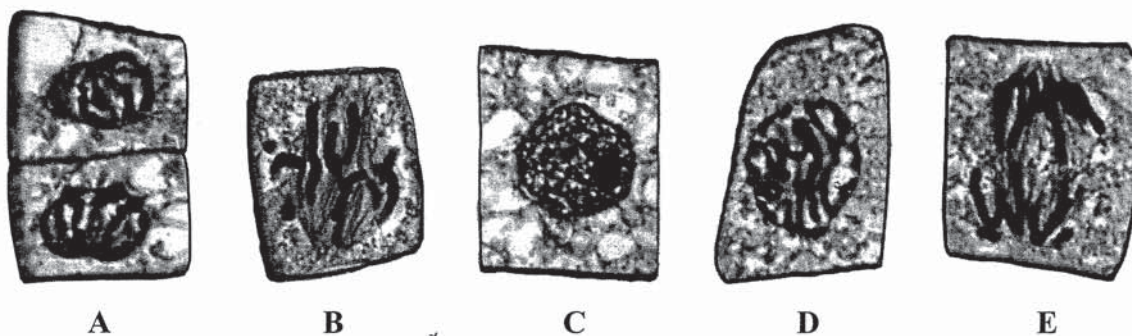


2. The diagrams below show cells from a garlic plant at five different stages of mitosis as seen using a light microscope. These stages are in the wrong order.



- (a) Give the correct order in which the five stages take place by using the letters A–E.

1st stage 2nd stage 3rd stage
4th stage 5th stage

(2)

- (b) (i) Name the part of a garlic plant which is used to prepare a slide showing the stages of mitosis.

.....
(1)

- (ii) Name a stain which is used to make the chromosomes easy to see.

.....
(1)

- (c) Name the process which must occur in the genetic material before the chromosomes become visible.

(i) Name of the process
(1)

- (ii) State what happens to the genetic material during this process.

.....
.....
(1)

(Total 6 marks)

Q2



N 2 1 4 4 1 A 0 3 1 6