

5 The number and size of Golgi apparatus vary depending on the type of cell.

(a) (i) Draw a labelled diagram of the Golgi apparatus.

(4)

(ii) How many of the following are functions of the Golgi apparatus?

- formation of extracellular enzymes
- modification of proteins
- formation of peptide bonds through condensation reactions

(1)

A none

B one

C two

D three

(iii) A cell was supplied with radioactive amino acids. The cell took in these amino acids and used them in protein synthesis.

Which structure in the cell would become radioactive first?

(1)

A centrioles

B Golgi apparatus

C lysosomes

D ribosomes