Doughaut shape

vo nucleus.

## Marks

## **Question 21** (8 marks)

Describe a first-hand investigation used to estimate the size of red blood cells on a prepared microscope slide.

In your description include:

- a list of equipment used;
- a safety precaution needed;
- the step-by-step method used;



8 um

• a scaled diagram of a red blood cell.

Equipment : Microscope . Stide of red 6600 cell · Micro goid or clear plastic auto with mm marks. Safety: Operating with glass ie stide, micro scope lense thus care needs to be taken to prevent breakages. If a breakings occurs it should be carefully cleaned/cleared immidately Method: Place micro guid on microscope view plataform. 2) Focus on grid using low power line an edge of the good with edge of the field of view (ount squares unible min the field of view. 3) Repeat proces for the power magnification intended to use to view blood cell Record unible micro grid squares calculate diameter of field of frien 4) Remove necro grid and replace with red 5/000 cell Slide. Focus on cells with low power and more up the magnification maintaining cells in field of view 5) wondace you have weached the desired inagnification count the number of cells across the diane of the field of view 6) Preside Proide this number of cells by the diameter of he field of view at that magnification and you Should have an appriox nate cell size. Note: Be carefulk of the cell orientantion cell verticle are doing this, le: 15