Dip. Practical paper KMLTTB Paper I 30 points

Q3) Sample Q is from a male adult with a haematological disorder. With the apparatus and reagents given, perform:

a) WBC differential count
b) Report on the film
c) Comment on the film

Spots

Spot 1

ESR pipette

a) Identify the spot

b) What is the purpose of the spot in the haematology lab?

Spot 2

White cell diluting pipette

a) Identify the spot

b) What is the use of spot

Preparation guide

Provide the following to each student

- Blood sample
- Leishman stain
- Buffer ph 6.8
- 3 clean microscope slides/spreader
- Pasteur pipette
- Piece of gauze
- Microscope – to be shared

Marking Key 30 points

1) Tabulation **5 points**

2) Differential count – values should be within the normal range

- N ..... 40%.....75%
- L ..... 20%.....45%
- M ..... 1%.....10% **5 points**
- E..... 0%.....6%
- B..... 0%.....2%

3) Film report

RBCs

- size.....2 points
- shape .....2 points
- staining.....2 points
- inclusions....2points

4) WBC.....1 point
5) Platelets.....1 point
6) Comment normal .....2 point
7) Work evidence .....2 point
8) Neatness .....2 points

Spots

Spot 1

ESR pipette ..... 1 point

Setting ESR.....1 point

Spot 2

White cell diluting pipette .....1 point

Diluting blood for WBC count.....1 point

Total 30 points