



"Investing in Africa's Future"

COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

DEPARTMENT OF BIOMEDICAL AND LABORATORY SCIENCES

BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS

NSLS211: HISTOLOGY PRACTICAL

END OF SECOND SEMESTER EXAMINATIONS

April 2022

LECTURER: DR TT Mutize

DURATION: 3 HOURS

INSTRUCTIONS

1. Answer **all** questions each on a separate page of the answer sheets provided.
2. The mark allocation for each question is indicated at the end of the question.
3. Credit will be given for logical, systematic and neat presentations.

Question 1

You are provided with a slide labelled **M**.

- a) Stain the slide using the method described below and view it under the microscope. Record your results. (30 marks)

Method

1. Dewax and bring sections to water as follows

Xylene	3mins
Xylene	1min
Xylene	1min
Absolute alcohol	10 dips
Absolute alcohol	10 dips
95% alcohol	10dips
85% alcohol	10dips
75% alcohol	10dips
Rinse in tap water	

2. Stain with Mayers Haematoxylin 10mins
3. Rinse in tap water
4. Blue in Scotts tap water 1min
5. Rinse in tap water
6. Stain with eosin 3mins
7. Dehydrate clear and mount
8. Label your slide with your Registration number

- b) State the name and describe principle of the staining procedure (25 marks)

Question 2

Figure 1 shows one of the instruments used in a histology laboratory



Figure 1

a). Name the instrument shown in Figure 1

(2 marks)

b). State 3 types of the instrument in Figure 1

(3 marks)

Question 3

Figure 2 shows a common procedure in the Histology laboratory.

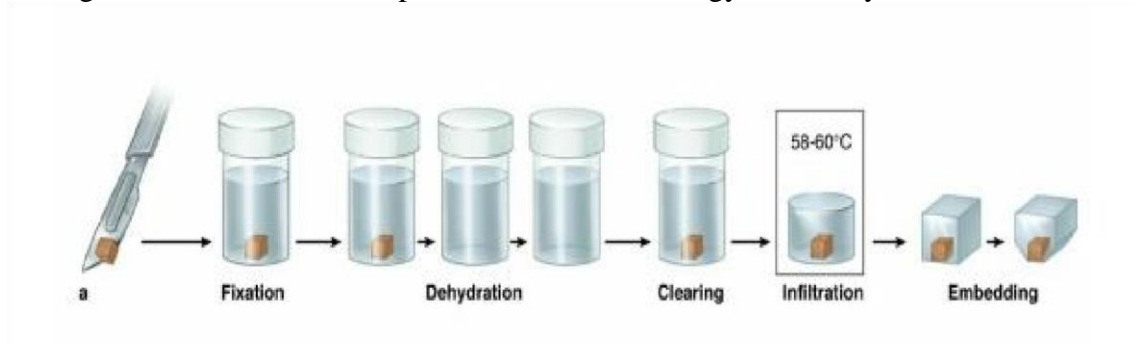


Figure 2

- a) Name the procedure (2 marks)
- b) Describe what is happening at each stage and give names of the reagents used at each stage.

(20 marks)

Question 4

There are three stations with slides A, B and C.

For each slide, name the stain and describe the principle of the stain. **(18 marks)**

THE END