

INDEX NO:

BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS

MDU5206 – CYTOLOGY

LEVEL 05

FINAL EXAMINATION

DURATION: TWO HOURS

ACADEMIC YEAR 2020/21

SEMESTER I

DATE: 4th MARCH 2022

TIME: 02.00 PM – 04.00 PM

Part B: Structured Essay Questions (60 marks)

1.

1.1 List four (04) instructions that you will give to a patient before doing a Papanicolaou/PAP test? (04 marks)

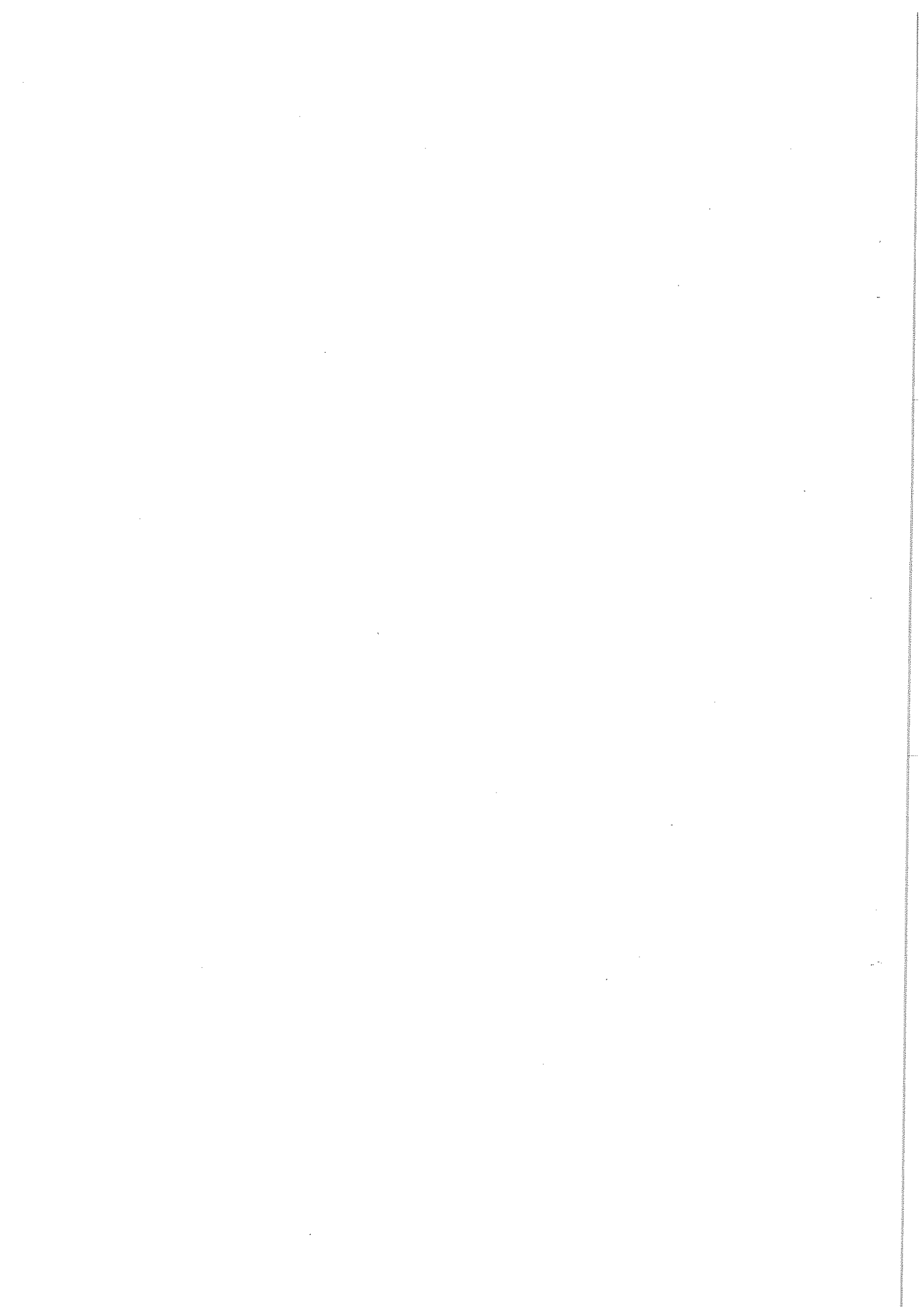
- i.
- ii.
- iii.
- iv.

1.2 Briefly describe the features required to assess specimen adequacy of cervical smears. (04 marks)

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1.3 A patient has been diagnosed to have a High Grade Squamous Intraepithelial Lesion (HSIL). Briefly describe six (06) cytological features in a cervical smear with HSIL. (12 marks)

- i.
- ii.
- iii.
- iv.
- v.
- vi.



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(TOTAL 20 MARKS)

2.

2.1 Write four (04) errors that occur in non-gynaecological cytology mentioning one (01) preventive measure for each error. (08 marks)

	Error	Preventive measure
i		
ii.		
iii.		
iv.		

2.2 Briefly describe the internal quality control procedures in a cytology laboratory. (06 marks)

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2.3 Briefly discuss why a non-gynaecological cytopathology audit should be done. (06 marks)

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(TOTAL 20 MARKS)

3. A 54 years old female presented to surgical clinic with a complaining of nipple discharge whitish in color, from her left breast for one month of period. On physical examination no palpable mass was detected by the surgeon. On radiological examinations, she was found to have a deeply embedded small nodule at her upper outer quadrant of the left breast (0.8-11mm). Further examinations revealed an enlarged lymph node in the left axillar. This patient had a history of coagulation disorder.

3.1 Name two (02) cytology investigations that can be performed on this patient.

(02 marks)

- i.
- ii.

3.2 Briefly describe the patient preparation for the above cytology investigation.

(04 marks)

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3.3 Briefly explain the role of the Medical Laboratory Technologist following collection of samples mentioned in 3.1 by the pathologist.

(06 Marks)

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3.4 List four (04) indications for the procedure mentioned in 3.1. (08 marks)

- i.
- ii.
- iii.
- iv.

(TOTAL 20 MARKS)

Part C: Essay Question (20 marks)

1. Explain how a sputum sample collected from a patient suspected of having lung cancer should be processed. (20 marks)

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