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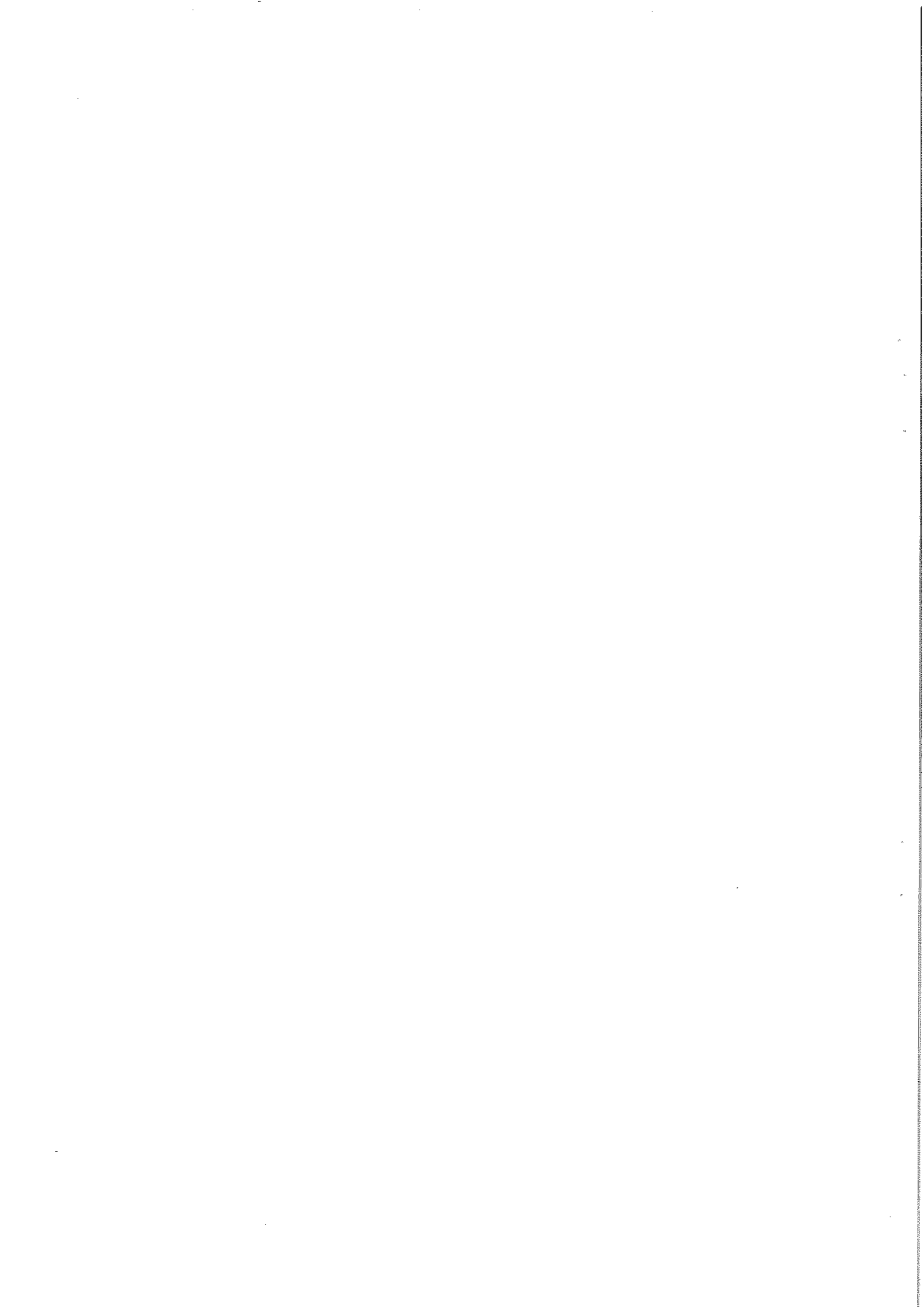
THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF MEDICAL LABORATORY SCIENCES
ACADEMIC YEAR 2019/2020 – SEMESTER I

BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
MDU6355 – IMMUNOHISTOCHEMISTRY
FINAL EXAMINATION

DURATION: THREE HOURS

DATE: 23rd September 2020

TIME: 1.30 PM – 4.30 PM



Part B Structured Essay Questions (40 Marks)

Q1

1.1 State one (01) precaution each to prevent following problems in immunofluorescence technique. (02 Marks)

Background staining.....
Fading of the fluorescence signal.....

1.2 State two (02) disadvantages of direct immunofluorescence technique over indirect immunofluorescence technique (02 Marks)

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1.3 Complete following diagram to illustrate the technique of indirect labelling used in immunofluorescence to identify an antigen present in the skin tissue. (06 Marks)



Total 10 Marks

Q2

2.1 List two (02) uses of Immunohistochemistry (02 Marks)

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2.2 State the four (04) main factors of quality control in Immunohistochemistry (04 Marks)

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2.3 State four (04) ways of monitoring the staining quality in Immunohistochemistry. (04 Marks)

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Total 10 Marks

Q3

3.1 Define the term Antigen. (02 Marks)

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3.2 Name the two (02) antigen retrieval methods. (02 Marks)

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3.2 Draw a diagram to illustrate the general structure of an antibody. (06 Marks)

Total 10 Marks

Q4

4.1 State one (01) method to avoid counter stain deposits. (02 Marks)

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4.2 State two (02) precautions that should be taken to avoid microbial contamination of reagents used in immunohistochemistry. (04 Marks)

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4.3 State two (02) precautions to be taken to avoid intense chromogen staining in Immunohistochemistry. (04 Marks)

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Total 10 Marks

Part C:Essay Questions* (30 Marks)

1. Write an essay on three stage peroxidase anti-peroxidase (PAP) method including its principle, advantages and disadvantages (15 Marks)
2. Write an essay on how the freeze drying is carried out and the advantages of the technique (15 Marks)

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