



BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
MLU3143-APPLICATION TO NUTRITION – LEVEL 3
FINAL EXAMINATION
DURATION: TWO HOURS

DATE: 19th March 2019

TIME: 1.30 p.m. – 3.30 p.m.

Part B – Short Answer Questions

(40 marks)

Write answers in the space provided.

1. a) Give three (03) examples of essential amino acids. (3 Marks)

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- b) Why are they categorized as essential amino acids? (5 Marks)

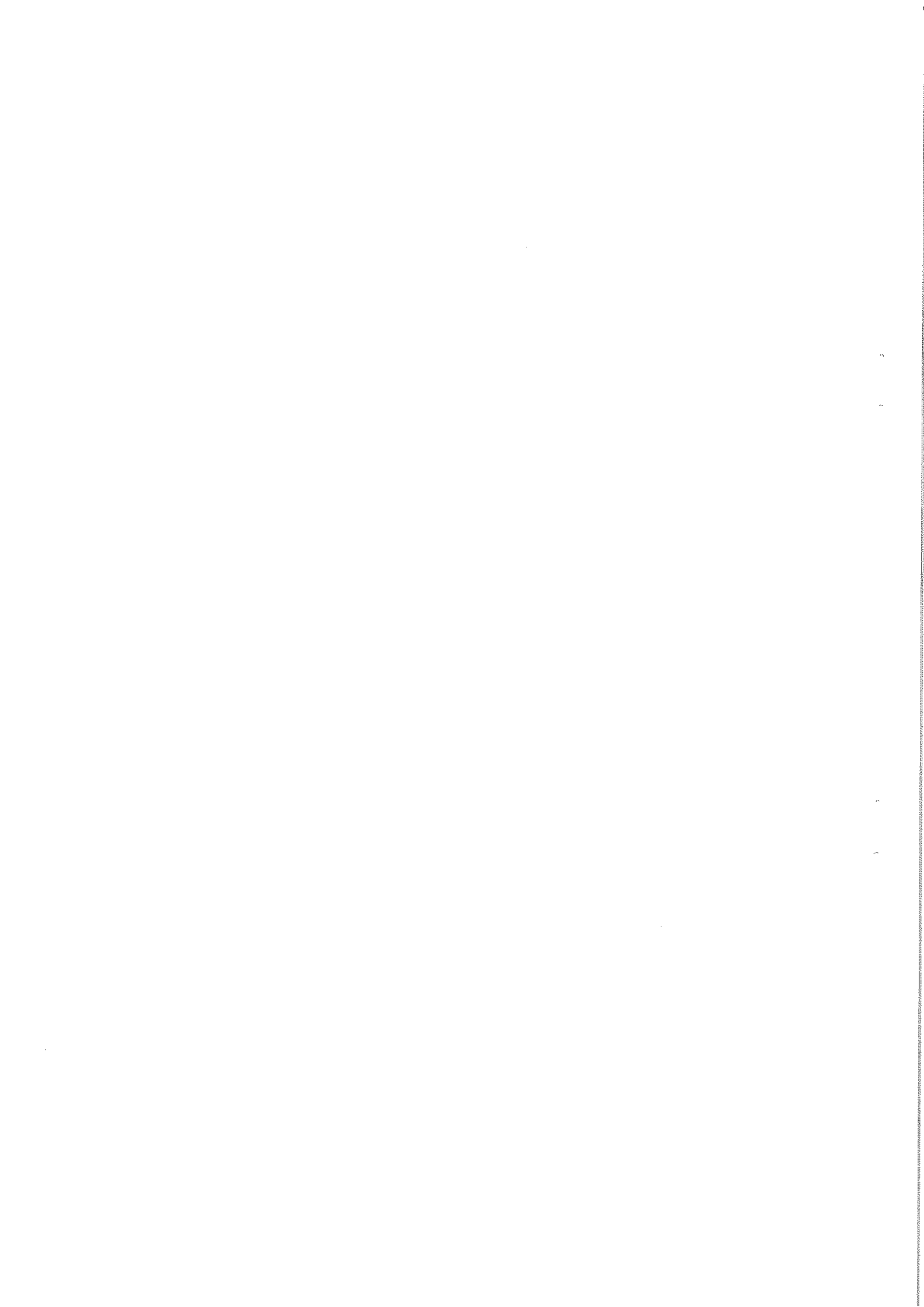
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2. List four (04) reasons that could lead to vitamin deficiencies in humans. (8 Marks)

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3. Children with vitamin D₃ deficiency are at higher risk of developing rickets.
Explain briefly. (8 Marks)

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4. List four (04) potential benefits of probiotics. (8 Marks)

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5. a) State what is meant by marination of foods. (4 Marks)

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b) Describe the principle of food preservation by pickling. (4 Marks)

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Part C –Essay Questions*(30 marks)*

Answer only two (02) questions out of three (03) questions. Write answers in separate sheets.

1. Briefly explain the health effects of intestinal bacterial flora in the human body. (15 Marks)
2. Discuss general nutritional guidelines for prevention of cancer. (15 Marks)
3. Briefly discuss three mechanical techniques of food preparation (15 Marks)

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