

# MATRICULATION AND SECONDARY EDUCATION CERTIFICATE EXAMINATIONS BOARD

## INTERMEDIATE MATRICULATION LEVEL 2018 SECOND SESSION

(2)

(2, 1)

SUBJECT: Home Economics & Human Ecology

DATE: 6<sup>th</sup> September 2018
TIME: 4:00 p.m. to 7:05 p.m.

the energy requirements of an individual.

food products that are rich in these lipids.

### **SECTION A**

Ans	swer ALL questions
1.	<ul> <li>a) Name TWO types of bacteria that could cause foodborne illness.</li> <li>(1)</li> <li>b) Identify TWO common symptoms of food poisoning.</li> <li>(1)</li> <li>c) Sushi, a Japanese dish consisting of small balls or rolls of vinegar-flavoured cold rice served with a garnish of vegetables, egg, or raw seafood, is becoming increasingly popular in Malta. Outline FOUR precautions that need to be followed during food preparation and/or serving, to ensure that this food is safe for human consumption. (4)</li> </ul>
2.	a) Explain the importance of having an adequate daily intake of protein in the diet. b) Describe <b>ONE</b> combination of complementary protein. (1)
3.	Outline <b>TWO</b> health benefits of consuming milk and dairy products as part of a balanced diet for the following groups:  a) young children;  b) elderly people.  (2)
4.	Outline <b>ONE</b> social and <b>ONE</b> economic benefit of giving free milk to children at school. (2)
5.	Legumes and wholegrain cereals are low-glycaemic index foods. Why should these products be consumed by individuals: a) on a weight loss diet; b) to prevent diverticular disease. (1)
6.	<ul> <li>a) Name <b>TWO</b> water-soluble vitamins, and give a reason why these vitamins need to be consumed daily. (1, 1)</li> <li>b) Describe <b>TWO</b> precautions that need to be taken to prevent the loss of these vitamins during food preparation. (2)</li> </ul>
7.	Explain the meaning/purpose of <b>EACH</b> of the following labels for consumers:  a) energy labels on electronic appliances; (2) b) care labels on garments; (2) c) CE labels on toys. (2)

9. Outline TWO health benefits of omega-3 and omega-6 fatty acids. Give TWO examples of

Energy requirements change throughout the lifecycle. Outline FOUR factors that determine

- 10. List **FOUR** ways how an environment-friendly student can make use of paper. (4)
- 11. a) Give **TWO** disadvantages of online shopping over in-store shopping when choosing kitchen appliances. (2)
  - b) Give **TWO** advantages of obtaining information from friends or relatives by word of mouth over printed marketing resources. (2)

(Total: 40 marks)

#### **SECTION B**

#### **Answer ANY THREE questions**

- 1. a) List **TWO** differences between fats and oils, and give the calorific value of one gram of fat. (2, 1)
  - b) Outline **THREE** vital roles of lipids in the body. (3)
  - c) Define the terms saturated and unsaturated fatty acids. Identify **ONE** main difference in the chemical structure of a saturated and an unsaturated fatty acid. (2, 1)
  - d) Discuss **TWO** health benefits of unsaturated fatty acids in the diet. (2)
  - e) Name **TWO** unsaturated fatty acids. (1)
  - f) Explain the scientific principles underlining **EACH** of the following statements related to the consumption of lipids:
    - i. Hydrogenated fats should be avoided in the diet; (1)
    - ii. Do not reuse cooking fat; (1)
    - iii. Soluble fibre reduces low-density lipoprotein cholesterol in the blood. (1)
  - g) Suggest **FOUR** strategies how consumers can lower their intake of saturated fats when following a Mediterranean diet. (4)
  - h) Give **ONE** reason why health professionals consider regular physical exercise as a hearthealthy habit. (1)

(Total: 20 marks)

- a) Outline **TWO** benefits of consuming fruit and vegetables for persons who suffer from constipation. Name and give the function of **TWO** vitamins and **TWO** minerals that fruit and vegetables may contain.
   (2, 1, 2, 1, 2)
  - b) Describe **THREE** ways how a young child who does not like fruit and vegetables can be encouraged by his/her parents to consume fruits and vegetables. (3)
  - c) Locally-grown and imported fruits and vegetables are available in various retail outlets.
     Discuss ONE economic, ONE environmental and ONE health benefit of promoting local produce when compared with imported produce.
  - d) State **TWO** advantages of consuming organic food from a consumer's point of view. Name **TWO** products that are grown organically in Malta. (2, 1)

3.

4.

condition.

supermarket.

Managing financial resources wisely is essential for individuals' and families' peace of mind.		
<ul><li>a) Define the term budgeting. Discuss the implication if a parent draws a:</li><li>i. well-planned budget;</li><li>ii. badly planned budget.</li></ul>	(1, 1, 1)	
ii. baary planned badget.	(1, 1, 1)	
b) Outline <b>TWO</b> advantages of saving money.	(2)	
c) Identify <b>FOUR</b> strategies that a one-parent family with two teenagers car unnecessary expenses.	n adopt to cut (4)	
d) When purchasing clothes, one could pay in cash or by a debit card. advantages and <b>TWO</b> disadvantages of each method of payment.	State <b>TWO</b> (2, 2, 2, 2)	
e) Some consumers use credit cards for their purchases. Outline <b>T</b> implications if consumers would not settle any debt within a short period of	•	
f) Suggest <b>ONE</b> strategy that should be observed by consumers to transactions securely.	(1)	
(Tota	al: 20 marks)	
An olderly were a bac recently moved to a recidential home for the olderly		
An elderly woman has recently moved to a residential home for the elderly.		
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	(2, 2)	
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e) State **TWO** health-related drawbacks of genetically modified foodstuff. Name **TWO** examples of food that could be labelled as genetically modified and is available in a local

(2, 1)

(3, 2)

(Total: 20 marks)

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