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Index Number:_____

MATRICULATION AND SECONDARY EDUCATION CERTIFICATE EXAMINATIONS BOARD UNIVERSITY OF MALTA, MSIDA

SECONDARY EDUCATION CERTIFICATE LEVEL

MAY 2013 SESSION

SUBJECT:	Home Economics
DADED MIMADED	T

PAPER NUMBER:

DATE: 11th May 2013

TIME: 9:00 a.m. to 11:00 a.m.

Answer ALL questions

- 1. Milk is a major constituent of a healthy diet. Authorities aim to create awareness on the benefits of including milk and dairy products regularly and encourage daily consumption as part of a healthy lifestyle.
- a. The nutritional information labels below can be found on two different local dairy products available on the market. Look at the information closely and answer the questions hereafter.

NUTRITIONAL VALUES per 100ml		
Energy	36Kcal (151KJ)	
Fat	0.3g	
of which saturates	0.2g	
Carbohydrates	5.0g	
of which sugars	5.0g	
Protein	3.3g	
Sodium	50mg	

NUTRITIONAL VALUES per 100ml	
Energy	60Kcal (268KJ)
Fat	3.5g
of which saturates	2.0g
Carbohydrates	5.0g
of which sugars	5.0g
Protein	3.3g
Sodium	50mg

Local Dairy Product A

Local Dairy Product B

Outline the THREE main differences between Product A and Product B.	
	(1 ½ marks
ii. Which product is healthier? Give a valid reason for your answer.	
Healthier Product:	
Reason:	(1/2 1/2 mark)
	11/2 1/2 mark

iii.	List FOUR different types of dairy products that are produced in Malta.
•	
•	
•	
	(2 marks)
b.	i. Name the condition whereby the person is unable to digest the disaccharide sugars in milk.
	(1 mark)
	Suggest a main course and a drink suitable for a person suffering from the condition mentioned bove, in b(i).
Ma	in Course:
Dri	
	$(1, \frac{1}{2} \text{ marks})$
c.	Milk is one of the most nutritionally complete foods and forms part of a healthy diet. Suggest FOUR original ideas how parents can increase their children's intake of milk and dairy products in their daily diet.
•	
•	
•	
•	(2 marks)
2.	Research shows that "Breakfast is the most important meal of the day". Despite this statement, some people still skip their breakfast.
a.	Give TWO advantages of having breakfast.
ш.	
•	
•	(1 mark)

					(1 m
	Give a solution	to one of the above	/e reasons.		(Th
					(1 m
			oy's breakfast habit carefully the questi <i>Wednesday</i>	ts during a typical wedions below. Thursday	ek. Look closely a <i>Friday</i>
	Flavoured Milk Blueberry Muffin	- Hot Chocolate	NO BREAKFAST	Ready-made orange juiceToast with	- Sugary Cereal with Whole Milk
st	SIX modification	ons that you would	d do to the menu to	make it <i>healthier</i> and	more <i>nutritious</i> .

b. Define briefly the following terms.

Keyword	Definition
Expiry date	
Shelf Life	
Best Before date	
Net Weight	

(4 marks)

c. Complete the table below by giving the name and explaining the meaning of the following symbols.

symbols.		1.
Symbol	Name	Meaning
**		

е		
422		(2, 4 marks
a food product. No m in c.	arks will be given for answe	manufacturers are bound by law to include or rs which contain any of the information given
		(2 marks)
a. Define the following	ng terms briefly.	
Keyword		Definition
Saturated fats		

Keyword	Definition
Saturated fats	
Cholesterol	
Omega 3 and Omega 6 fatty acids	

(3 marks)

	(2 marks
Give TWO sources of animal fats in the human diet.	
	(1 mark
The CINDI Dietary Guidelines suggest we reduce the intake of fats and oils in our	doily diet
Give the name of a disease associated with high fat intake.	daily diet.
or a disease associated with high rat matter	
	(1 mark
Complete the sentence below by providing the right information:	
"The Recommended Daily Allowance (RDA) of Total Fat	
is % of daily energy intake, of which not more	
than % should be saturated fats."	
	/1 1
	(1 mark
Give FOUR ways how Maltese families can reduce the intake of fat in their diet.	
	·
	(2 ma

		(1 m
Mention TWO reasons w	hy food is preserved.	
		(2 ma
Compare frozen vegetab value of both.	les with canned vegetables. Disci	uss the colour, texture and nutriti
	Canned vegetables	Frozen vegetables
Colour and texture _	·	
Nutritional value		
_		(2 ma
Montion TWO foods of	ner than vegetables, that can be ca	

	(2 mark
Give TWO reasons why cook-chill foods and ready prepared mea	ls are becoming so popula
	(2 mark
Folic acid is a water-soluble vitamin with specific functions during p Identify ONE other water soluble vitamin and TWO fat soluble vita	•
ter-soluble vitamin:	
soluble vitamins:	
	(1½ mark
Identify TWO sources of folic acid in the diet.	
	(1 mar
Plan a two-course meal (main meal and dessert) complete with drin months pregnant. Give TWO reasons for your choice of dish.	nk for a woman who is fo
in Meal:	(1 mar
sert:	_ (1 mar
	•
nk:	_ (½ mar
sons for choice:	
	(2 mark

7.	Water makes up more than two-thirds of the weight of the human body. Without water, humans would die in a few days.
a.	Give TWO functions of water in the human body.
•	
•	
	(2 marks)
b.	Give THREE sources of water in the diet and state the daily recommended intake of water.
So	arces:
•	•
Da	ily recommended intake: (1½, ½ mark)
c.	Identify TWO ways in which water is lost from the body and state the name of the effect of water deficiency on the body.
Wa	ays water is lost:
•	
•	
Eff	Fect of water deficiency:
d.	Identify ONE group of people who may need a higher intake of water and give ONE reason why.
Gr	oup of people:
Re	asons why:
	(½, 1 mark)

8. Good nutrition ensures the intake of all essential nutrients. A diet with insufficient nutrition is

Keyword	Definition	
Macro-nutrients —		
Micro-nutrients		
Malnutrition		
Undernutrition		
		(4 marks
List TWO important function	ons of calcium in the diet.	
		(1 mark
Name the vitamin which hel	ps calcium absorption during digestion.	
		(1 mark
List FOUR non-milk plant s	sources of calcium in the diet.	
	•	
Identify FOUR groups of peo	ople who need to ensure high calcium intake in their diet.	(2 marks
	•	
	•	

9. You have decided to make a cake for your mother's birthday using the all-in-one method.
a. Give ONE advantage of using this method of cake making.
(1 mark)
b. You will be using an electronic mixer to make the cake. Name ONLY the mixer attachment that
you will be using to make the cake.
c. Give ONE reason why the all-in-one method is considered to be the least healthy method of cake making.
(1 mark)
d. Fill in the blanks with the appropriate words. Some words have been given in the box below.
margarine incorporate weighed eggs four
The basic ingredients for the all-in-one method are flour,, and
First, the oven is pre-heated to a temperature of or gas mark
Then, the ingredients must be and the flour to air.
Finally, all the ingredients are mixed together until the mixture is light and The
cake is left to bake for around forty minutes. To check whether the cake is ready, use a
which should come out clean. (5 marks)

e.	List TWO precautions you would take to safely clean the food mixer after use.
•	
•	
	(2 marks)
10.	Most of the food we eat is cooked.
a.	Why is steaming considered a healthy method of cooking?
	(1 mark)
b.	Name TWO foods suitable for steaming.
•	
•	
	(1 mark)
c.	Study the pictures below. Identify the method of heat transfer shown by the arrows in each diagram.
9	THITHIH THE
	Heat Source (1 ½ marks)

d.	Name THREE foods suitable for boiling.	
•	••	
e.	Mention ONE advantage of stewing.	(1 ½ marks)
f.	Give TWO examples of foods that are suitable for grilling.	(1 mark)
•		(1 mark)
g.	Why is it important not to use a metal spoon when stirring food in a saucepan?	
11.	Food poisoning is a common, usually mild, but sometimes deadly illness.	(1 mark)
a.	List TWO causes of food spoilage.	
•	·	(1 mark)
	Explain what is meant by the following: ishable foods:	
	ishaote foods.	
Cro	oss contamination:	
		(2 marks)
c. •	List TWO perishable foods.	
		(1 mark)

d.	The number of cases of food poisoning increases during summer time. Write dow	n ONE rule to
	follow when preparing, transporting and cooking food for a BBQ to avoid food po	oisoning.
	eparing:	
Tra	ansporting:	
	oking:	
		(3 marks)
e.	List TWO important rules for good kitchen hygiene.	
•		
•		(2 marks)

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MATRICULATION AND SECONDARY EDUCATION CERTIFICATE EXAMINATIONS BOARD UNIVERSITY OF MALTA, MSIDA

SECONDARY EDUCATION CERTIFICATE LEVEL

MAY 2013 SESSION

SUBJECT:	Home Economics	
PAPER NUMBER:	IIA	
DATE: TIME:	13 th May 2013	
I IIVIE:	4:00 p.m. to 6:00 p.m.	
Section A - Answer AI	LL questions	
1. a. Give ONE bene	fit if consumers separate waste at source.	
		(1 mark)
b. Explain the followi	ng terms and give an example of each.	
Inorganic waste		
Example:		
Biodegradable		
Example:		
•		(3 marks)
c. Suggest ONE pract	tical way how a consumer can reuse, reduce, recycle and refill.	
Reuse:		
Dadwaa		
Reduce:		
Recycle:		

Re	fill:
	(2 marks)
d.	List TWO ways how the consumer can play a role in waste management when shopping.
•	
•	
•	(2 marks)
2.	Anna is a 76 year old widow who lives on her own in a small house. She always lived in this house.
a.	Name and describe TWO types of support services provided for elderly people who live on their own.
i.	Name:
	scription:
	Name:
De	scription:
	(1, 2 marks)
b.	Recently Anna fell and broke her leg. Anna's daughter, Claire, who is married and has two daughters, invited her mother to go and live with them.
	Mention TWO points that Claire's family need to keep in mind when deciding on the room that would be suitable for her mother.
•	
•	
	(2 marks)

c.	Give an advantage and a disadvantage of grandparents living with a family member who has young children.
•	Advantage:
•	Disadvantage:
d. •	Once she recovers, Anna plans to go to a residential home. How do residential homes meet the needs of the elderly residents?
•	
	(2 marks)

- 3. a. Complete the following table:
- i. Write the name of the equipment;
- ii. Describe **ONE** correct use or function of the equipment shown below.

Equipment	i. Name of equipment	ii. One correct use or function

iii.	What do we call kitchen d	levices which are used	to save us time and wor	(5 marks)
b.	i. Give FOUR uses of a f			(½ mark)
• ii.	Write ONE safety rule to		•	(2 marks)
				(½ mark)

4. a. Give **TWO** examples of natural fibres and **TWO** examples of synthetic fibres.

Natural Fibres	Synthetic Fibres
i.	i.
ii.	ii.

(2 marks)

		(1 ½ marks)
Identify TWO properties that y environmentally friendly.		detergent that claims to be
		(1 mark)
Explain the following symbols foun	d on a fabric care label:	√
••	\bowtie	
\\\\	√ ~	1
	\ <u>40</u>	/
		(2 ½ marks)

Mark and Lara are married and have a one-year old child.

Read the following situation and answer the questions that follow.

Mark and Lara are married and have a one-year old child.

Lara is pregnant with their second child. Mark and Lara both work full-time but try to balance work and family time.

_	(1 mark
	ist FOUR factors that can negatively affect the unborn child and which Lara should be careful avoid.
_	• <u> </u>
_	• (2 marks
	uggest TWO ways how Mark and Lara can promote healthy eating habits for their one-yeald child.
	(2 marks Explain, by giving THREE examples, how Mark and Lara can stimulate intellectua
	(2 marks Explain, by giving THREE examples, how Mark and Lara can stimulate intellectua

Sec	Section B – Answer ALL questions		
6.	a. Define the term consumer.		
	(1 mark)		
b.	Give ONE personal factor and ONE social factor that influence one's choice when purchasing an item.		
•	Personal Factors:		
•	Social Factors:		
	(2 marks)		
c.	Mention THREE ways how one can shop wisely when purchasing food.		
•			
•	(3 marks)		
d.	State ONE advantage and ONE disadvantage of shopping online.		
Ad	vantage:		
Dis	advantage:		
	(2 marks)		
e.	Give TWO advantages and ONE disadvantage of shopping for food in a large supermarket.		
Ad	vantage I:		

Ad	vantage II:
—— Dis	advantage:
f.	Suggest TWO other ways in which food items can be purchased in Malta.
• g.	(1 mark) Mention THREE store techniques that supermarkets use to encourage customers to spend more.
•	(3 marks)
h. Me	A local company wants to introduce a new cereal product on the market. Suggest TWO means that can be used to advertise this product. Give ONE reason for your choice.
	dia II:
i.	Give ONE advantage and ONE disadvantage of advertising. wantage:
	advantage:
	(2 marks)

	ention FOUR ways how Maltese communities benefit from the opening of new playing fields.
	(4 marks
	scribe briefly TWO types of social interactions that are encouraged through local playing ds.
	(1 mark
fol	e Local Council is going to put up a sign in the playing field displaying safety rules to be lowed by parents and their children. List FOUR safety rules that you think should be included the sign.
	(4 marks
	e sunny morning you and your family decided to take your eight-year-old neighbour to the al playing field. Your neighbour is a wheelchair-user and suffers from mobility impairment.
Lis	t FOUR ideas how local playing fields can be made more wheelchair accessible.

Identify TWO dissociety.	ifficulties that people with mobility impairment are likely to face in today's			
-				
	(2 marks)			
Injuries and accid	ents can happen both inside and outside the home.			
Mention TWO g each answer.	roups of people who are more prone to accidents. Give ONE valid reason for			
roup 1:				
anson:				
eason				
roup 2:				
_				
eason:				
Complete the tabl	(2 marks) Complete the table below by briefly describing the first-aid procedure for treating:			
Injury	First-Aid Procedure			
Burns and Scalds				
Minor Cuts				
Minor Cuts Nose Bleed				

(3 marks)

8.	A couple with two young children, live in a small flat with an open-plan layout. They need to buy a new refrigerator and are thinking carefully about their choice.
a.	List THREE types of refrigerators that this couple will find readily available on the local market.
i.	
ii.	
iii.	
	$(1\frac{1}{2} \text{ marks})$
b.	Suggest a refrigerator which would be suitable for this couple and give TWO reasons for your suggestion.
Тур	be of refrigerator:
Rea	ason:
Rea	ason:
	(½, 2 marks)
c.	List THREE factors they should consider before buying their refrigerator.
•	,
•	
•	(3 marks)
d.	List FOUR methods of payment that this couple may use to pay for their refrigerator.
	•
•	<u> </u>
•	
	(2 marks)

e.	Give ONE advantage and ONE disadvantage when using two of these methods of payments.
Μe	ethod of payment I:
Ad	vantage:
— Dis	sadvantage:
Me	ethod of payment II:
Ad	vantage:
Di:	sadvantage:
f. i. ii.	(2, 2 marks) Six months after purchasing their refrigerator, this couple notice that rust has started to appear on the door. They have decided to use their right to redress. Give THREE methods of redress that they may use to complain to the shop owner.
iii.	(3 marks)
g.	Explain ONE of the above mentioned methods of redress.
Me	ethod of redress:
Ex	planation:
	(4 marks)

MATRICULATION AND SECONDARY EDUCATION CERTIFICATE EXAMINATIONS BOARD UNIVERSITY OF MALTA, MSIDA

SECONDARY EDUCATION CERTIFICATE LEVEL

MAY 2013 SESSION

·		
SUBJECT:	Home Economics	
PAPER NUMBER:	IIB	
DATE:	13 th May 2013	
TIME:	4:00 p.m. to 6:00 p.m.	
Section A – Answer All que		
1. All consumers are aware	that we need to reduce the packaging of goods.	
a. Name a better packaging	g material for the following, giving a reason for your choice.	
Instead of a plastic bag for a	school lunch:	
Reason for choice:		
Instead of a large plastic sho	pping bag:	
Reason for choice:		
		(2 marks)
b. Suggest ONE practical v	way how a consumer can reuse and reduce waste.	
Reuse:		
Reduce :		

(2 marks)

c. Write down **TWO** things you would place in the non-recyclable bin and **FOUR** things you place in a recycle bin.





(3 marks)

d.	Mention TWO things you can put in a compost bin if you have a garden at home.	
i. ii.		(1 mark)
2. a.	Anna is a 76 year old widow who lives on her own. List TWO ways in which her family can help Anna in her everyday life.	
•		
		(2 marks)
b. •	Mention TWO services offered by the government to elderly people who live in their	
•		(2 marks)
c.	Give an advantage and a disadvantage for each of the following:	(2 marks)
	lerly person living in his/her own home vantage:	
— Dis	sadvantage:	
 Ela	lerly person living in a residential home	
Ad	vantage:	
Dis	sadvantage:	
		(4 marks)

3. a. i. Give the correct name for each of the following equipment.

O Congression of the control of the		
		(3 ½ marks)
ii. Choose ONE of the above p	ieces of equipment and give its use.	
Name of equipment:		
Use:		(1 mark)
iii. Complete the following sent	ence by filling in the TWO missing	

"Labour Saving Devices are important in the kitchen because they save us a lot of _____ and _____.

(1 mark)

		b. i.	Look closely at the questions. Give the correct na			
	B					(½ mark)
		ii.	List TWO correct	uses of this equi	pment.	
						(1 mark)
iii.	Give ONE sa	fety rule on	e should keep in mi	nd when using th	ne equipment in the	e diagram.
•						
						(1 mark)
4.			al while others are s ing in the table belo		ade). Place the nar	mes of the fabrics
		Nat	tural Fibres	Synth	etic Fibres	
		•		•		
		•		•		
b.			ould do when prepar before washing.	ing clothes for w	vashing.	(2 marks)
•						
•						
						(2 marks)
c.	Identify ONE friendly.	E property tl	nat you would look	for in a deterger	nt that claims to be	environmentally

(1 mark)

d. Match the following symbols found on a fabric care label, to their correct meaning.

	Symbol	Meaning
1		Do not dry clean
2	\boxtimes	Item should be hand washed
3		Iron on warm heat
4	40	Do not use bleach
5		Do not tumble dry
6		Machine washable. Maximum wash temperature 40 degrees centigrade.

(3 marks)

5. Read the following situation and answer the questions that follow.

Mark and Lara are married and work full-time.

They have a one-year old boy and Lara is pregnant with their second child.

a.	Give TWO ways how Mark and Lara can show respect towards one another.
•	

(2 marks)

b. •	List TWO factors that can negatively affect the unborn child.
•	(2 marks)
c.	Suggest TWO ways how Mark and Lara can promote healthy eating habits for their one-year old child. Example: They should have regular family meals together.
•	
•	
	(2 marks)
d.	(2 marks) Explain how the following toys may help improve intellectual development in Mark and Lara's one-year old child.
d.	Explain how the following toys may help improve intellectual development in Mark and Lara's

$Section \ B-Answer\ ALL\ questions$

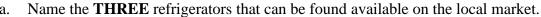
6.	a. A consumer may be influenced by <i>environmental</i> , <i>personal</i> and <i>social factors</i> when doing the shopping. Give ONE example for each of these factors. <i>The first one has been done for you</i> .
•	Environmental factors: Choosing the products with the least packaging
•	Personal factors:
•	Social factors:
	(2 marks)
b.	Mention THREE things you will look out for when choosing a food shop.
•	
•	
•	(3 marks)
	Give TWO advantages and ONE disadvantage of shopping for food in a large supermarket. vantage I:
Ad	vantage II:
Di	sadvantage:
	(3 marks)
d.	Supermarkets are just ONE type of shopping outlet. Name TWO other types of shopping outlets from where you can buy food.
i.	
ii.	(2 marks)
	\

e. Give FOUR different methods of advertising.	
•	
•	
•	
•	(4 marks)
f. Give an advantage and a disadvantage of advertising.	
Advantage:	
Disadvantage:	
	(2 marks)
g. State an advantage and a disadvantage of shopping online.	
Advantage:	
Disadvantage:	
	(2 marks)
h. Mention TWO ways how you can shop wisely when purchasing food.	
•	
•	
	(2 marks)

A Local Council has just inaugurated a new modern playing field	l.
Mention TWO advantages of having playing fields in towns and	villages.
	(2 marks)
Why is leisure (free) time important for families today? Give TW	
	(2 marks)
List TWO safety rules that you think should be included in a sig put up in the playing field.	n that the Local Council plan to
	(2 marks)
Modern playing fields can be equipped with various other safety of such safety features that one can find in playing fields today.	features. Give TWO examples
	(2 marks)
One sunny morning you and your family decide to take your local playing field. Your neighbour suffers from mobility impairs	~ ·
List TWO ideas how local playing fields can be made more when	elchair accessible.
	(2 marks)

					(2 marks
Injuries	and accidents can	happen both in	nside and outside	e the home.	
Mentio	n TWO groups of	people who are	e more prone to a	accidents.	
					(2 marks
What is	the meaning of 'H	First Aid'?			
					(1 mark
List SI	X items that one sh	ould find in a l	First Aid Box.		
				FID	
				416	S T
					*
					<u> </u>
					1
					(3 mark
					`
List TV	VO different injur	ies or accidents		to happen in a pla	,
List TV		ies or accidents		to happen in a pla	·
List TV not take	VO different injur	ies or accidents cautions.	s that are likely t	to happen in a pla	`
List TV not take	VO different injure the necessary pre	ies or accidents	s that are likely t	to happen in a pla	(3 marks) ying field if one doe

8. A couple with two small children, live in a small flat with an open-plan layout. They need to buy a new refrigerator and are thinking carefully about their choice.









i. _____

ii. _____

iii. ______(3 marks)

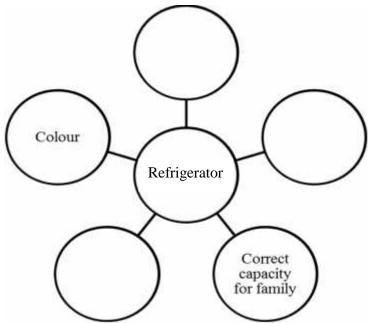
b. Choose **ONE** type that best suits the married couple and give **ONE** reason for your answer.

Type of refrigerator:

Reason:

(2 marks)

c. Give factors that the couple should consider before buying their refrigerator.



(3 marks)

d.	List TWO methods of payment that the couple may use to pay for their refrigerator.
•	
•	(2 marks)
e.	Give ONE advantage and ONE disadvantage when using one of these methods of payment.
Μe	thod of payment:
Ad	vantage:
Dis	advantage:
	(2, 2 marks)
f.	Six months after purchasing their refrigerator the couple notice that rust has started to appear on the door. They have decided to complain. Give TWO ways the couple may use to complain to the shop owner. Example: complaining in person to the shop owner
•	
	(2 marks)
g.	Explain ONE of the above mentioned ways of complaining.
Μє	thod:
Ex	planation:
	(4 marks)