

Rewarding Learning

ADVANCED

General Certificate of Education

2011

Centre Number 71 Candidate Number

Health and Social Care

Assessment Unit A2 15

assessing

Unit 15: Human Nutrition and Dietetics

[A6H71]

WEDNESDAY 15 JUNE, AFTERNOON



TIME

2 hours.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper. Answer **all three** questions.

INFORMATION FOR CANDIDATES

The total mark for this paper is 100.

Quality of written communication will be assessed in questions 1(c), 2(c) and (d), and 3(c) and (d).

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

For Examiner's use only			
Question Number	Marks		
1			
2			
3			

Total	
Marks	

1 (a) Complete the table below by identifying a deficiency disease associated with each of the nutrients and listing two effects of the disease.

Nutrient	Deficiency disease	Effects of disease
Protein	[1]	1
Thiamin (B1)	[1]	1
Niacin	[1]	1

Examiner Only

(b) The table below shows the Department of Health (DoH) figures for Estimated Average Requirements (EARs) of energy for women.

Examin	er Only
Marks	Remark

Ago	Females				
Age	MJ/day	Kcal/day			
1–3 years	4.86	1165			
7–10 years	7.28	1740			
15–18 years	8.83	2110			
19–50 years	8.10	1940			
65–74 years	7.96	1900			
Pregnancy (last 3 months)	+0.80	+200			
Lactation	+1.90-2.40	+450-570			

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	published by Noulledge, 1990. Reproduced by perhilssion of Taylor & Francis,	rubiisii
(i)	Identify the age group that has the lowest energy requirement.	
		[1]
(ii)	Explain two reasons why adolescents have the highest energy requirement.	
	1	
		[2]
		[2]
	2	

[2]

women during pregnancy.		
	[2]	
	[3]	

(c)	According to official statistics a quarter of all adults in Northern Ireland are considered to be obese causing an estimated 450 deaths each year.
	© BBC News@bbc.co.uk

Examiner Only Marks Remark

		ner Only
	Marks	Remark
[9]		
[/]		
	1	

patient achiev	ve a healthy	diet.	o help an obe	Marks

		Examin	
		Marks	Remar
[9]]		

and Sorcha, aged 17. Philip stays at home to look after Joel while lrea has returned to work. Philip makes every effort to plan and prepthy, well-balanced meals for the children.	Dare
Discuss the role of each of the following nutrients in Joel's diet.	
Carbohydrate	
	[3]
Water	
	[3]

2

	ill influence planning meals for the family.		
_			
		[3]	
Sc	orcha has recently decided to become a vegan. Her dad has concer	ns	
th	at a vegan diet will not meet the nutritional needs of his daughter.		
	valuate the possible effects of following a vegan diet on Sorcha's		
nu	stritional status.		
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_	LAMININ	
	Marks	Remark
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		J		
(d)	Andrea's mother Eileen, aged 77, has been diagnosed with osteoporosis. When discussing her mother's condition with the consultant, Andrea was informed that to reduce the risk of conditions such as osteoporosis an individual must ensure their diet is well-balanced and healthy throughout the lifecycle.			
	Discuss the effect diet may have on bone health.			
	Discuss the effect diet may have on bone hearth.			
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		Examine	
		Marks	Remark
			
			
[10]			
[12]	1		

dad una his	ben, aged 14, is currently staying at Collingrove Children's Home. His recently died and his mum, who is suffering from severe depression, is able to care for him at present. Reuben is Jewish and follows the rules of religion. The key workers, Aidan and Susan, assist with the weekly food pping.	Examiner Only Marks Remark
(a)	Write down two rules the staff at Collingrove will need to consider when preparing food for Reuben.	
	1	
	2	
	[1]	
(b)	Discuss how each of the following factors could influence Aidan and Susan when food shopping for the children at Collingrove.	
	Advertising	
	[3]	
	Economic	
	[3]	

nalyse the measures th	nat should be take	n to reduce the r	risk of food	
isoning in a residentia				

		er Only
	Marks	Remark

		iner Only
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F1 #1		
[15]	

6455

d)	Sally-Ann and Barbara are lively energetic girls who have just started school. Their foster mother, Nicola, is given dietary advice by the health visitor.		Examino Marks	er Only Remark
	Analyse the dietary advice the health visitor may have given Nicola.			
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		Examin	er Only
		Marks	Remark
	[9]		
	[,]		
THIS IS THE END OF THE QUESTION PAPER			