

Pearson BTEC Level 3 Nationals

Write your name here		
Surname	Forename	
Learner Registration Number	Centre Number	Level
		3
	ology for Health and Social Ca	 -
Sample Assessment material for for fine: 1 hour 30 minutes	first teaching September 2016	Total

Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and learner registration number.
- Answer all questions.
- Answer the questions in the spaces provided
 - there may be more space than you need.

Information

- The total mark for this paper is 90.
- The marks for **each** question are shown in grey boxes
 - use this as a guide as to how much time to spend on each question.
- You may use a calculator.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Paper reference 31493H S51932A

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Turn over ▶



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Answer ALL questions. Write your answers in the	spaces provided.
(i) State one role of each of the following:	
	2 marks
astric sphincter	
ancreas	
(ii) Describe peristalsis.	
	2 marks

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					2 marks
(ii) Describ	e one symptom	n of coeliac dis	ease.		
					2 marks
State the ro	le of the gall bl	adder.			
					1 mark
				-	<u> </u>
				lotal for	Question $1 = 9$ ma



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2 (a) Explain **two** functions of the femur.

4 marks

1
2



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) Describe one cause	s and the enects	, 0, 03,000	no on the sherete	
				6 marks

Total for Question 2 = 10 marks

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				3 marks
) Explain how	proteins are	produced in t	the cell.	
) Explain how	proteins are	produced in t	the cell.	4 marks
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o) Explain how	proteins are	produced in 1	the cell.	4 marks

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(2	a) ((i)	Define the term <i>endocrine gland</i> .
			2 marks
	((ii)	Identify one endocrine gland, other than the pancreas.
			1 mark

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o) (i) Describe how type 1 diabetes leads to weight loss.						
	6 marks					

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					4 marks
				,	
Explain the lor	ng-term effects	of type 2 diabe	tes.		
Explain the lor	ng-term effects	of type 2 diabet	tes.		4 marks
Explain the lor	ng-term effects	of type 2 diaber	tes.		4 marks
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Explain the lor	ng-term effects	of type 2 diabet	tes.		4 marks



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					4 marks
1					
2					
(ii) Explai	n two ways m	nuscles are attac	hed to the body		
(ii) Explai	in two ways m	nuscles are attac	hed to the body	•	4 marks
(ii) Explai	in two ways m	nuscles are attac	hed to the body	•	4 marks
					4 marks
1					
1					
1					

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(b) Compare synovial and fibrous joints.	
4 marks	

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			ulas
		8 ma	arks

Total for Question 5 = 20 marks

12



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					3 marks
					3 Illaiks
(ii) Outl	ine how mork	oidity statistic	s are collected	d and used.	
(ii) Outl	ine how mork	oidity statistic	s are collected	d and used.	4 marks
(ii) Outl	ine how mork	oidity statistic	s are collected	d and used.	4 marks
(ii) Outl	ine how mork	oidity statistic	s are collected	d and used.	4 marks
(ii) Outl	ine how mork	oidity statistic	s are collected	d and used.	4 marks
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					4 marks

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(iii) Explain hov	v mortality statistic	s may be us	sed to evaluate	the effect of	of lifestyle
choices.					

6 marks

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(b) To what extent do morbidity and mortality statistics contribute to the understanding of the prevalence of disease in the population?

6 marks

Total for Question 6 = 19 marks

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A study has found that there is a link between diabetes in parents and type 2 diabetes in adult children. This is a summary of the findings.

277,261 people were involved in the study.

257,715 individuals were of white ethnicity and not twins (singletons); of these, 6576 had type 2 diabetes, 19,478 reported maternal diabetes (but not paternal), 20,057 reported paternal diabetes (but not maternal) and 2754 participants reported both parents as having diabetes.

7 What is the probability for white, singleton individuals of neither parent being diabetic?

Show your working.





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Total for Question 7 = 8 marks

END OF EXAM

TOTAL FOR PAPER = 90 MARKS

