

Friday 12 June 2015 – Morning

A2 GCE HEALTH AND SOCIAL CARE

F921/01 Anatomy and Physiology in Practice

Candidates answer on the Question Paper.

OCR supplied materials:

None

Other materials required:

None

Duration: 1 hour 30 minutes



Candidate forename				Candidate surname			
Centre number	er			Candidate nu	ımber		

INSTRUCTIONS TO CANDIDATES

- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.
- Answer **all** the questions.
- Do not write in the bar codes.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 100.
- The quality of written communication will be taken into account in marking your answer to questions marked with an asterisk (*).
- This document consists of 16 pages. Any blank pages are indicated.



(a)* Describe the roles during inspiration of the parts of the respiratory system listed below.

		•	Pleural membranes Diaphragm Intercostal muscles	
	•••••			
		•••••		
	•••••			
	•••••			
	•••••			
				[6]
The	_	_		
			n many branching tubes or bronchii that lead to the alveoli or air sacs.	
			n many branching tubes or bronchii that lead to the alveoli or air sacs. how a named respiratory dysfunction affects the functions of the bronchii.	
		Explain	how a named respiratory dysfunction affects the functions of the bronchii.	
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		Explain	how a named respiratory dysfunction affects the functions of the bronchii.	
		Explain	how a named respiratory dysfunction affects the functions of the bronchii.	

	(11)	and then be treated.
		[6]
(c)	Des	cribe how the alveoli of the lungs are adapted to their function.
(0)	Doo	onse new the aveen of the lange are adapted to their function.
		[4]
		[1]

2	Foo	ds such as meat, fish, cheese, nuts and soya can be valuable sources of protein.
	(a)*	Describe what happens to a protein food source as it travels through the digestive system.
		ro:

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functio
• • • • • • • • • • • • • • • • • • • •

(a)*	Explain how the heart performs its function of pumping blood to the lungs and around the body.
	[12]

(b)* An individual with a suspected dysfunction of the cardio-vascular system is likely to have their

			ded and						:CG) mad	cnine.	
Expl	ain what	t informa	tion thes	e two dia	agnostic	tests m	ay provi	de.			
											[8]

4	(a)*	Explain how the kidney performs its functions.
		IVI

Analyse the effects of dialysis and transplant surgery on an individual with renal failure.

	Evaluate the possible impact of exercise on body systems. [20
,	

END OF QUESTION PAPER

ADDITIONAL ANSWER SPACE

number(s) r	all answer space is required, you should use to must be clearly shown in the margins.	ne following lined page(s). The question
•••••		

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