

# **Cambridge Technicals Health and Social Care**

Unit 4: Anatomy and physiology for health and social care

Level 3 Cambridge Technical in Health and Social Care **05830 – 05833** 

Mark Scheme for January 2020

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

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Annotations – These are the annotations to be used when marking Unit 4:

Annotation	Meaning
<b>✓</b>	Tick – correct answer
×	Cross – incorrect answer
+	Plus – use for positives
	Minus – use for negatives
L1	Level 1
L2	Level 2
L3	Level 3
BOD	Benefit of doubt (This <b>does</b> count as a mark – so do not 'tick' as well)
^	Omission mark
TV	Too vague
REP	Repeat
SEEN or	Noted but no credit given

C	Question		Answer			Guidance
1	1 (a)		One mark for each correct answer, three required. First row has been done for them		<b>3</b> (3x1)	Annotation: The number of ticks must match the number of marks awarded.
			Structure	Letter		For <b>incorrect</b> answers use the <b>cross</b>
			bicuspid valve	С		No other answers are acceptable.
			left ventricle	D		DO NOT ALLOW multiple letters given in a box
			semilunar valve	G		If more than 1 letter is provided in each answer box: 0 marks
			a pulmonary artery	В		

Q	uest	ion	Answer	Marks	Guidance
1	(b)	(i)	One mark for correct answer  • Sinoatrial node/SAN	<b>1</b> (1x1)	Annotation: The number of ticks must match the number of marks awarded. For incorrect answers use the cross
1	(b)	(ii)	One mark for correct answer  • Atrioventricular node/AVN	<b>1</b> (1x1)	No other answers are acceptable.  Annotation: The number of ticks must match the number of marks awarded.
1	(b)	(iii)	One mark for correct answer  • Sinoatrial node/SAN	<b>1</b> (1x1)	For incorrect answers use the cross.  No other answers are acceptable.
1	(b)	(iv)	One mark for correct answer  • Purkyne fibres	<b>1</b> (1x1)	If multiple responses are given for each question, mark as incorrect.

C	Question		Answer	Marks	Guidance
1	(c)	(i)	<ul> <li>One mark for correct identification, one required</li> <li>Hypertension</li> <li>Accept High Blood Pressure</li> </ul>	<b>1</b> (1x1)	Annotation: The number of ticks must match the number of marks awarded.  No other answers are acceptable.  For incorrect answers use the cross  DO NOT ACCEPT CORONARY HEART DISEASE OR ANGINA OR HEART ATTACK (as they are forms of CHD)

Question	Answer/Indicative content	Marks	Guidance				
Question	Answer/indicative content	IVIAINS	Content	Levels of response			
1 (c) (ii)*	Discuss the options available to monitor and treat CHD. 1(c)(i), You should include medical treatments and lifestyle changes in your answer.  Monitoring:  Blood tests - cholesterol levels, heart attack protein markers,  ECGs - abnormalities in the cardiac cycle  Angiogram - narrowing of coronary arteries  Sphygmomanometer/Blood Pressure Monitor - elevated blood pressure  Medical treatments:  Statins/Aspirin  Angina pump  Thrombolysis  Anticoagulants  Bypass  Angioplasty/Stent  Beta blockers/ACE inhibitors  Lifestyle changes:  Regular exercise  Diet changes e.g. low fat / low salt  Reduce stress  Reduce alcohol intake  Stop smoking  Lose weight	6	This is a levels of response question – marks are awarded on the quality of the response given. The focus of the question is discuss.  Annotation: The number of ticks will not necessarily correspond to the marks awarded.  Level 3 checklist:  • detailed discussion (clearly discusses the benefits of the monitoring/treatment)  • clear knowledge & understanding of how to monitor and treat CHD  • explicitly linked to CHD  • must cover monitoring, medical treatments and lifestyle changes  • appropriate terminology  • well-developed line of reasoning  • logically structured  Level 2 checklist:  • sound discussion  • some reference to aspects of how to monitor and treat CHD  • mostly relevant and accurate information  Level 1 checklist:  • limited / basic discussion  • basic information  • limited structure, may be list like or muddled	Answers provide a detailed discussion of how to monitor and treat CHD. Answers will be coherent, factually accurate and use appropriate terminology. There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.  Level 2 [3-4 marks]  The answer provides a sound discussion of how to monitor and treat CHD.  Answers will be factually accurate.  There is a line of reasoning presented with some structure. The information presented is relevant and supported by some evidence.  Sub-max of 3 if only monitoring OR treatment done well.  Level 1 [1-2 marks]  Answer provides a limited or basic discussion of how to monitor and/or treat CHD. May be a description/ identification only. Answers may be list like, muddled, demonstrating little knowledge or understanding. There is an attempt at a logical structure with a line of reasoning. The information is in the most part relevant.  0 marks – response not worthy of credit.			
			limited structure, may be list like or	,			

(	Questi	ion	Answer	Marks	Guidance
1	(d)		One mark for each correct answer, five required.  Second one E, already done  CE B A F D	<b>5</b> (5x1)	Annotation: The number of ticks must match the number of marks awarded.  For incorrect answers use the cross  No other answers are acceptable.  DO NOT ALLOW multiple letters given in a box  If more than 1 letter is provided in each answer space: 0 marks

C	uestion	Answer		Guidance
1	(e)	Four marks for a description, One required.  Points can be made from the following depending on choice:  EITHER:  Intercostal muscles:  Contract Pull the ribs up and outwards Increasing volume/size of lungs/thorax/chest Decreasing the pressure in lungs/thorax/chest  OR	<b>4</b> (1x4)	Annotation: The number of ticks must match the number of marks awarded.  For incorrect answers use the cross or appropriate annotation from the following:  TV REP SEEN  Four marks: for a detailed description with four points
		Contract     Flattens     Increasing volume/size of lungs/thorax/chest     Decreasing the pressure in lungs/thorax/chest  ONLY CREDIT RESPONSES RELATED TO THE FIRST STRUCTURE THEY IDENTIFY		Three marks:     for a sound description with three points  Two marks:     for a basic description using at least two points  One mark:     for one point

C	Question		Answer			Guidance
2	(a) One mark for each correct answer, three required.  Function Component	<b>3</b> (3x1)	Annotation: The number of ticks must match the number of marks awarded.			
			Controls and regulates heart rate.	Autonomic nervous system		For <b>incorrect</b> answers use the <b>cross</b>
			Allows transmission of information to <b>and</b> from the brain.			No other answers are acceptable.  DO NOT ALLOW multiple responses given in a box
			Transmits impulses from the brain to muscles.	Motor neurone		If more than response is provided in each box: 0 marks
2	(b)	(i)	Put a tick (✓) in the box next to the High blood pressure Unexplained weight loss Problems with balance and coord Swelling of the hands and feet		1 (1x1)	Annotation: The number of ticks must match the number of marks awarded.  For incorrect answers use the cross  No other answers are acceptable.  If more than one box is ticked: 0 marks

Question	Answer/Indicative content M		Guidance				
Question	Answer/indicative content	Marks	Content	Levels of response			
2 (b) (ii)*	Discuss the possible causes of multiple sclerosis. Include both biological causes and risk factors in your answer.  Possible causes (biological):	6	This is a levels of response question — marks are awarded on the quality of the response given. The focus of the question is discuss.  Annotation: The number of ticks will not necessarily correspond to the marks awarded.  Level 3 checklist:	Answers provide a detailed discussion of biological causes of MS and risk factors.  Answers will be coherent, factually accurate and use appropriate terminology. There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.  Level 2 [3-4 marks]  Answers provide a sound discussion of biological causes of MS and risk factors.  Answers will be factually accurate and mostly relevant. There is a line of reasoning presented with some structure. The information presented is relevant and supported by some evidence.  Sub-max of 3 if only one of either biological causes OR risk factors done well.  Level 1 [1-2 marks]  Answer provides a limited or basic discussion of causes of MS. May be a description/identification only. Answers may be list like, muddled, demonstrating little knowledge or understanding. There is an attempt at a logical structure with a line of reasoning. The information is in the most part relevant.  0 marks – response not worthy of credit.			

	Question	Answer/Indicative content		Gu	idance
'	guestion	Answer/indicative content	Marks	Content	Levels of response
2	(c)*	<ul> <li>Examples with explanations to include:</li> <li>mucus is stickier than usual due to faulty gene/not absorbing water into mucus/trapping of white blood cells in mucus.</li> <li>problems with breathing because mucus blocks airways</li> <li>chest infections as pathogens e.g. bacteria get trapped in mucus / airways</li> <li>persistent cough due to inability to clear mucus</li> <li>lack of energy due impaired gaseous exchange/poor oxygen saturation of blood.</li> <li>Whilst not on the specification accept any explanation of symptoms related to the digestive system or reproduction e.g. weight loss, malnourishment, infertility</li> </ul>	6	This is a levels of response question – marks are awarded on the quality of the response given. The focus of the question is explain.  Annotation: The number of ticks will not necessarily correspond to the marks awarded.  Level 3 checklist:  • detailed explanation (must say why symptom is caused)  • clear knowledge & understanding of causes of at least 2 symptoms of cystic fibrosis  • explanation explicitly linked to symptoms of cystic fibrosis  • appropriate terminology  • well-developed line of reasoning  • logically structured  Level 2 checklist:  • sound explanation  • some knowledge & understanding of causes of at least 2 symptoms of cystic fibrosis  • mostly relevant and accurate information  Level 1 checklist:  • limited / basic explanation  • basic information  • limited structure, may be list like or muddled	Answers provide a detailed explanation of symptoms of cystic fibrosis. Answers will be coherent, factually accurate and use appropriate terminology. There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.  Level 2 [3-4 marks]  The answer provides a sound explanation of symptoms of cystic fibrosis. Answers will be factually accurate and mostly relevant.  There is a line of reasoning presented with some structure. The information presented is relevant and supported by some evidence.  Sub-max of 3 if one symptom done well.  Level 1 [1-2 marks]  Answer provides a limited or basic explanation of symptoms of cystic fibrosis.  May be a description or identification only.  Answers may be list like, muddled, demonstrating little knowledge or understanding. There is an attempt at a logical structure with a line of reasoning. The information is in the most part relevant.  O marks – response not worthy of credit.

Q	uesti	on	Answer	Marks	Guidance
3	(a)	(i)	One mark for correct name.  • homeostasis	1 (1x1)	Annotation: The number of ticks must match the number of marks awarded.  For incorrect answers use the cross  No other answers are acceptable.
3	(a)	(ii)	One mark for a correct identification. Three required.  A - choose one point from:	3 (3x1)	Annotation: The number of ticks must match the number of marks awarded.  Accept sugar as a term for glucose  For incorrect answers use the cross or appropriate annotation from the following:  Answers must apply to correct lettered stage  One mark for one correct point in each stage

Q	uestion	Answer		Guidance
3	(b)	One mark for a correct word, five required.  The answers must be given as ordered below to complete the sentences in the passage  The kidney has two main functions: osmoregulation which maintains the concentration of water and ions in the blood, and excretion which removes metabolic waste from the body.  The waste product urea is formed in the liver and transported in the blood to the kidneys where it forms urine. Urine is carried from each kidney, through a tube called the ureter to the bladder, where it is stored.  The kidneys put substances, such as glucose, back into the blood by the process of reabsorption.	<b>5</b> (5x1)	Annotation: The number of ticks must match the number of marks awarded.  For incorrect answers use the cross or appropriate annotation from the following:  TY REP SEEN  If more than response is provided in each answer space: 0 marks

Quest	tion	Answer/Indicative content	Marks	Guid	dance
		Answer/indicative content		Content	Levels of response
3 (	(c)*	Evaluate <b>two</b> possible treatments for these symptoms of nephrotic syndrome.	8	This is a levels of response question – marks are awarded on the quality of the response given. The focus of the question is evaluate.  Annotation: The number of ticks will not necessarily correspond to the marks awarded.  Level 3 checklist:  • two treatments (must link to symptoms)  • fully detailed evaluation  • both positives and negatives  • well-developed, clear and logically structured  • factually accurate & relevant  • correct use of terminology  Level 2 checklist:  • two treatments  • sound evaluation  • both positives and negatives of at least one treatment  • mostly relevant and accurate information  • Sub-max of 4 for one treatment done well.  Level 1 checklist:  • limited / basic evaluation  • basic information  • positive or negative aspect of one treatment  • limited structure, may be list like or muddled	Answers provide a detailed evaluation of two possible treatments using accurate terminology and following a logical sequence. Both positives and negatives will be given. Sentences and paragraphs are relevant with accurate use of appropriate terminology. There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.  Level 2 [4-5 marks]  Answer provides a sound evaluation of two possible treatments. Positive and negative for at least one treatment.  Answers will be factually accurate and relevant. There is a line of reasoning presented with some structure. The information presented is relevant and supported by some evidence. Sub-max of 4 for one treatment with positive and negatives.  Level 1 [1-3 marks]  Answer provides a limited or basic evaluation with either positive or negative aspect of treatment. May be a description / identification only. Answers may be list like, muddled, demonstrating little knowledge or understanding. There is an attempt at a logical structure with a line of reasoning. The information is in the most part relevant.  O marks – response not worthy of credit.

Question	Answer/Indicative content	Marks	Guidance		
Question	Answer/marcative content	Walks	Content	Levels of response	
				for a zero mark response	

	Answer/Indicative content	
Examples	Positive	Negatives
<ul> <li>Steroids</li> <li>e.g. prednisolone.</li> <li>Reduces protein in urine and swelling</li> </ul>	<ul> <li>prevents protein leaking from kidneys.</li> <li>reduces fluid build up / swelling.</li> </ul>	<ul><li>supress immune system</li><li>weight gain</li><li>mood changes</li></ul>
Diuretics  e.g. 'water tablets'  Reduces swelling	<ul> <li>reduces fluid build up / swelling.</li> <li>no serious side effects.</li> </ul>	<ul> <li>increases amount of urine</li> <li>may cause bed-wetting in children</li> </ul>
Antibiotics	<ul><li>treats infections</li><li>quicker recovery from infection</li></ul>	<ul><li>only treats bacterial infection</li><li>short term use only</li></ul>
Dietary changes  • e.g. low salt/processed food  • reduces swelling	prevents water retention and swelling	difficult to control diet
Vaccinations  • e.g. for flu  • constant infections	prevents children getting further infections	<ul> <li>needle phobia</li> <li>vaccination not always successful</li> <li>Parental concerns (autism)</li> </ul>
Kidney transplant  • could help with all symptoms	<ul> <li>Kidney functioning normally</li> <li>No/less protein loss from blood</li> <li>Reduces swelling</li> </ul>	<ul> <li>not suitable for many children</li> <li>major operations involve risks</li> <li>post-operative care required transplants</li> <li>will need immunosuppressants</li> <li>scarring</li> <li>rejection</li> <li>requires donor</li> </ul>
Aspirin/Blood thinners/anti platelets • Reduces blood clots	<ul> <li>Reduces blood clots</li> <li>Less pain from blood clots</li> <li>Quick, cheap and non-invasive treatment</li> </ul>	<ul> <li>Can cause stomach problems</li> <li>Must be monitored</li> <li>Organisation in getting children to take daily medication</li> </ul>

Accept any other suitable treatments

Question	Answer/Indicative content		Guidance			
	Answer/indicative content	Marks	Content	Levels of response		
4 (a)*	Explain the possible causes of Mia's osteoarthritis and the effects it is likely to have on her.  Possible causes of osteoarthritis (not exhaustive):  • Wear and tear of joints • Age • Obesity/overweight • Excessive physical activity • Sporting injury • Surgery on the joint • Family history • Other conditions - rheumatoid arthritis  Effects: • loss of cartilage • bones rub against each other • development of bone growths or 'spurs' • stiff • painful joints • loss of joint space • reduced mobility  Accept other relevant examples  DO NOT CREDIT WELL-BEING/DAILY LIFE RESPONSES, AS THIS WAS NOT REQUIRED BY THE QUESTION	6	This is a levels of response question — marks are awarded on the quality of the response given. The focus of the question is explain.  Annotation: The number of ticks will not necessarily correspond to the marks awarded.  Level 3 checklist:	Answers provide a detailed explanation of causes and effects of osteoarthritis. Answers will be coherent, factually accurate and use appropriate terminology. There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.  Level 2 [3-4 marks]  Answers provide a sound explanation of causes and effects of osteoarthritis. Answers will be factually accurate and mostly relevant. There is a line of reasoning presented with some structure. The information presented is relevant and supported by some evidence.  Sub-max of 3 if only causes or only effects of osteoarthritis done well.  Level 1 [1-2 marks]  Answer provides a limited or basic explanation of causes and effects of osteoarthritis. May be a description / identification only. Answers may be list like, muddled, demonstrating little knowledge or understanding. There is an attempt at a logical structure with a line of reasoning. The information is in the most part relevant.  0 marks – response not worthy of credit.		

C	Question			Answer		Marks	Guidance			
4	(b)		One mark for each corr	rect answer, <b>four</b> r	equired.	<b>4</b> (4x1)	Accept ticks or crosses in the relevant boxes			
			Statement	True (T)	False (F)		Annotation:			
			Taking vitamin D and calcium supplements.		False or F		The number of ticks must match the number of marks awarded. For <b>incorrect</b> answers use the <b>cross</b> .			
			Taking steroids to reduce inflammation and swelling.	True or T			No other answers are acceptable.			
			Surgery to replace a joint.	True or T			If more than box is ticked per statement: 0 marks			
						Physiotherapy to strengthen muscles.	True or T			
4	(c)	)	One mark for each correct identification, three required.  Last row has been done for them		<b>3</b> (3x1)	Annotation: The number of ticks must match the number of marks awarded.				
			Struc	cture	Letter		For <b>incorrect</b> answers use the <b>cross</b> .			
			haversian canals	-	X		No other answers are acceptable.			
			bone cells (osteod	cytes)	Z		NO Other answers are acceptable.			
						canaliculi		Y		
							If more than one answer is provided in each box: 0 marks			

(	Questi	on	Answer	Marks	Guidance
4	(d)		<ul> <li>has villi/microvilli - increased surface area for absorption and/or swaying action</li> <li>lacteals inside villi - fat products can enter lymphatic system (lacteals)</li> <li>Large capillary network - has blood supply for absorbing nutrients</li> <li>Thin walls/One cell thick/short diffusion pathway - nutrients can diffuse easily</li> </ul>	<b>4</b> (2x2)	Annotation: The number of ticks must match the number of marks awarded. For incorrect answers use the cross or appropriate annotation from the following:  Two marks: for a detailed explanation e.g. has villi which increases the surface area  One mark: for a basic explanation e.g. has villi or has large surface area

C	Questi	ion	Answer	Marks	Guidance
4	(e)	(i)	One mark for each correct answer, two required	2 (2x1)	Annotation: The number of ticks must match the number of marks awarded.  For incorrect answers use the cross or appropriate annotation from the following:  TV REP SEEN
4	(e)	(ii)	<ul> <li>One mark for each correct point made, two required</li> <li>intestine is sensitive (to certain foods/triggers)</li> <li>walls of large intestines go into spasm</li> <li>food moves too slowly through digestive system (causing constipation)</li> <li>food moves too quickly through digestive system (causing diarrhoea)</li> <li>lack of fibre in the diet</li> <li>stress</li> <li>previous digestive illness</li> <li>family history</li> </ul>	<b>2</b> (1x2)	Annotation: The number of ticks must match the number of marks awarded.  For incorrect answers use the cross or appropriate annotation from the following:  TV REP SEEN

Question	Answer/Indicative content	Marks	Guidance			
Question	Answer/indicative content	Warks	Content	Levels of response		
4 (f)*	Analyse the use of the various techniques listed above.  Ultrasound  Uses gel, apparatus pressed on skin and image displayed on a screen sound waves bounce back to show images of organs can detect blockages e.g. gall stones  Endoscopy e.g. gastroscopy long flexible tube inserted into body through mouth or anus camera on one end can detect causes of pain e.g. spasms IBS and gallstones can detect abnormalities to intestinal wall e.g. taking a biopsy in coeliac's disease  Lithotripsy high frequency soundwaves/shockwaves local anaesthetic/epidural used to break down/shatter gall stones uses fluoroscopy (X-rays) to obtain real-time moving images	8	This is a levels of response question — marks are awarded on the quality of the response given. The focus of the question is analyse  Annotation: The number of ticks will not necessarily correspond to the marks awarded.  Level 3 checklist:  Covers all three techniques and treatments and links to malfunctions  fully detailed analysis (makes valid judgements)  well-developed, clear and logically structured  factually accurate & relevant  correct use of terminology  Level 2 checklist:  Covers two techniques and treatments and may link to malfunctions  sound analysis (makes some judgements)  mostly relevant and accurate information  sub-max of 4 for only one technique or treatment done well.  Level 1 checklist:  Covers one technique  limited / basic analysis  basic information  limited structure, may be list like or muddled	Answers provide a detailed analysis of all techniques and treatments applied to appropriate malfunctions using accurate terminology and following a logical sequence. Sentences and paragraphs are relevant with accurate use of appropriate terminology. There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.  Level 2 [4-6 marks]  The answer provides a sound analysis of two techniques/ treatments. Answers will be factually accurate. There is a line of reasoning presented with some structure. The information presented is relevant and supported by some evidence.  Sub-max of 4 for one technique or treatment done well.  Level 1 [1-3 marks]  Answer provides a limited or basic analysis. May be a description / identification only. Answers may be list like, muddled, demonstrating little knowledge or understanding. There is an attempt at a logical structure with a line of reasoning. The information is in the most part relevant.  O marks – response not worthy of credit.		

C	Question		Answer	Marks	Guidance
5	(a)	(i)	One mark for correct identification  • humour	<b>1</b> (1x1)	awarded.
		(ii)	One mark for correct identification  • retina	<b>1</b> (1x1)	For <b>incorrect</b> answers use the <b>cross</b> .
		(iii)	One mark for correct identification  • ciliary	<b>1</b> (1x1)	No other answers are acceptable.  If more than one answer is provided for each question:
		(iv)	One mark for correct identification  • cornea	<b>1</b> (1x1)	0 marks

0	4!	Answer / Indicative content	Marks	Guidance			
Que	estion	Answer / Indicative content	Warks	Content	Levels of response		
5	(b)*	Describe the possible effects of AMD on Jack's vision and how they could be monitored.  Examples with descriptions to include: effects	6	This is a levels of response question – marks are awarded on the quality of the response given. The focus of the question is describe. Annotation:  The number of ticks will not necessarily correspond to the marks awarded.  Level 3 checklist:  • detailed description  • clear knowledge & understanding of aspects of effects of AMD  • explanation explicitly linked to effects of AMD and monitoring  • appropriate terminology  • well-developed line of reasoning  • logically structured  Level 2 checklist:  • sound description  • some reference to aspects of effects of AMD and monitoring  • mostly relevant and accurate information  Level 1 checklist:  • limited / basic description  • basic information  • limited structure, may be list like or muddled	Answers provide a detailed description of effects of AMD and monitoring. Answers will be coherent, factually accurate and use appropriate terminology. There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.  Level 2 [3-4 marks] The answer provides description of effects of AMD and monitoring. Answers will be factually accurate and mostly relevant. There is a line of reasoning presented with some structure. The information presented is relevant and supported by some evidence.  Sub-max of 3 for effects or monitoring done well.  Level 1 [1-2 marks] Answer provides a limited or basic description of effects of AMD and monitoring. May be identification only. Answers may be list like, muddled, demonstrating little knowledge or understanding. There is an attempt at a logical structure with a line of reasoning. The information is in the most part relevant.  O marks – response not worthy of credit.		

Question	Answer		Guidance
5 (c)	One mark for each correct answer, five required.  The answers must be given as ordered below to complete the sentences in the passage  The brain is protected by the skull and tough membranes called meninges. It is divided into two cerebral hemispheres connected by a bridge called the corpus callosum.  The outermost layer of the brain is called the cerebral cortex, which is responsible for thinking and decision-making.  Important functions, such as breathing and swallowing, are controlled by the medulla oblongata which is found at the base of the brain where it meets the spinal cord.  The cerebellum has a role in coordinating muscle activity and in maintaining balance.	<b>5</b> (5x1)	Annotation: The number of ticks must match the number of marks awarded.  For incorrect answers use the cross.  If more than response is provided in each answer space: 0 marks

OCR (Oxford Cambridge and RSA Examinations)
The Triangle Building
Shaftesbury Road
Cambridge
CB2 8EA

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