For Supervisor's use only

90166





Level 1 Biology, 2005

90166 Describe the functioning of human digestive and skeletomuscular systems

Credits: Four 9.30 am Tuesday 15 November 2005

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should answer ALL the questions in this booklet.

If you need more space for any answer, use the page(s) provided at the back of this booklet and clearly number the question.

Check that this booklet has pages 2–10 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

For Assessor's use only	Achievement Criteria			
Achievement	Achievement with Merit	Achievement with Excellence		
Describe biological ideas relating to the functioning of human digestive and skeletomuscular systems.	Describe biological ideas relating to the functioning of human digestive and skeletomuscular systems.	Describe biological ideas relating to the functioning of human digestive and skeletomuscular systems.		
	Explain biological ideas relating to the functioning of the human digestive or the skeletomuscular system.	Discuss biological ideas relating to the functioning of the human digestive or the skeletomuscular system.		
Overall Level of Performance				

You are advised to spend 50 minutes answering the questions in this booklet. **QUESTION ONE: KNEE BENDS** The diagram shows some of the main structures needed for movement at the knee joint. [FOR COPYRIGHT REASONS, THIS RESOURCE CANNOT BE REPRODUCED HERE. SEE BELOW.] Adapted from: http://www.emc.maricopa.edu/faculty/farabee/BIOBK/BioBookMUSSKEL.html (a) **Describe** the function of cartilage in the knee joint shown above.

he knee and move the lower	nes, joints, tendons and ligaments would work together to bend part of the leg backwards.

QUESTION TWO: A BONY PROBLEM

2 2	the bones of young children often results in a different kind of fracture to those adults who have suffered a similar injury.
Explain	why this is so, naming the fractures you might expect.

Disc	euss how arthritis can affect the mobility of a joint.	

(a) Describe the purpose of the human digestive system. (b) Explain why chemical digestion does not begin in the mouth for all foods.

C	on of food can be affected		Ass
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QUESTION FOUR: LONG IN THE TOOTH

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(a) **Draw** a simple, labelled diagram to describe the structure of a tooth.

(b) **Explain** why an adult human has more than one type of tooth.

QUESTION FIVE: WHEN THINGS GO WRONG

]	Describe the symptoms of bowel cancer.
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	Explain why diarrhoea, though usually less serious than bowel cancer, can sometimes stilled to death if it is untreated.
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	Discuss how normal stomach functioning is affected by ulcers.
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Extra paper for continuation of answers if required. Clearly number the question.

Question number	