

90179



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

For Supervisor's use only

Level 1 Human Biology, 2010

90179 Describe functioning of the human reproductive system

Credits: Three

9.30 am Friday 26 November 2010

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 2–8 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.

<i>For Assessor's use only</i>		Achievement Criteria	
Achievement		Achievement with Merit	
		Achievement with Excellence	
Describe functioning of the human reproductive system.	<input type="checkbox"/>	Explain functioning of the human reproductive system.	<input type="checkbox"/>
		Discuss functioning of the human reproductive system.	<input type="checkbox"/>
Overall Level of Performance		<input type="checkbox"/>	

You are advised to spend 35 minutes answering the questions in this booklet.

QUESTION ONE

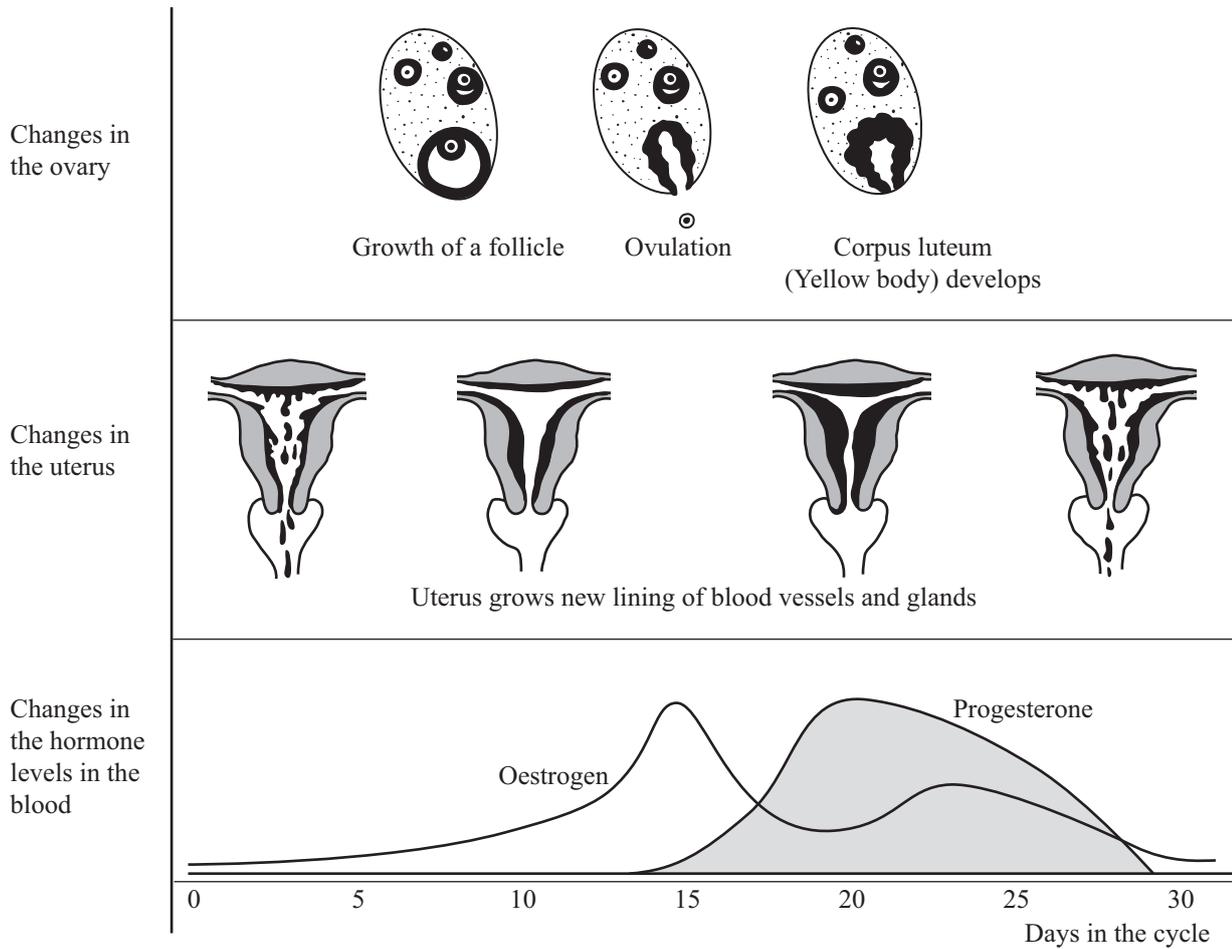
(a) **Define** puberty.

(b) **Explain** TWO roles of testosterone in the **male reproductive system** during puberty.

QUESTION TWO

Assessor's
use only

The diagram below shows some changes that occur in the human female reproductive system.



Adapted from B. S. Beckett, *Illustrated Human and Social Biology*, (Oxford: Oxford University Press, 1982), p 115.

- (a) **Explain** why the timing of ovulation is important if a fertilised egg is to implant successfully. 'Implant' is when a young embryo burrows into the thickened uterus lining.
