23	(a)	A student looked at slides of different tissues under a light microscope.
		The four viewed images are labelled W , X , Y and Z in Fig. 23.1, on the insert .
		Identify tissues W , X and Y .
		w
		x
		Υ[3]
	(b)	The student wrote the following summary about the control of heart rate.
	highe the co	the heart rate is too low the level of carboxylic acid in the blood becomes r than normal. The vagus nerve sends action potentials to the AVN to increase ontraction rate of the heart muscle. The baroreceptors in the walls of the blood is then detect that the pH of the blood is normal, so heart rate can return to ag.
	from	indocrine system can also change heart rate. Release of the hormone adrenaline the adrenal medulla causes the smooth muscle of the heart to contract more ently.
_		Identify and correct any biological errors in the student's summary.
		[4]

The baby spreads out its arms then brings them together rapidly.

(c) Reflex actions are rapid responses that protect the body from harm.

The baby cries.

The Moro reflex is found in babies up to five months of age, and occurs when the baby feels its head is suddenly no longer supported. The Moro reflex is made up of the following responses:

(i)	Suggest how the Moro reflex helps to prevent harm to a newborn baby.
	[2]
(ii)	The Moro reflex gradually disappears and usually stops completely after babies reach nine months. Other reflexes develop as children grow older.
	Describe a reflex response a 3-year-old child would make to an object moving towards their eyes and explain the advantage of this response.

END OF QUESTION PAPER