

Answers to examination-style questions

Answers	Marks	Examiner's tips
1 a) uptake of oxygen / production of carbon dioxide	1	
b) negative feedback	1	
c) i) higher metabolism at low temperatures / lower metabolism at high temperatures; respiration / metabolism releases heat; more heat loss at low temperatures / less heat loss at high temperatures;	3	
ii) lack of thermoregulatory control at high temperatures / positive feedback; increase in temperatures increases respiration / more enzyme activity;	2	
2 a) i) C	1	
ii) B	1	
b) FSH stimulates release of oestrogen; oestrogen (initially) inhibits FSH secretion;	2	
c) increase in oestrogen concentration after 10 / 11 / 12 days; stimulates rise in hormone C;	2	
3 a) i) progesterone as it rises after ovulation / falls at end of cycle	1	
ii) LH, as it shows a sharp peak	1	
b) between days 2 and 3/4; just after ovulation; <i>or</i> between days 0 and 1/2 or days 20 to 21/22; when ripe eggs are present / at ovulation;	2	