Revision Sheet

IGCSE Biology · Unit 14 Coordination and response

24 vocabulary items · 34 marks of exam questions (8 questions)

Part 1 · Vocabulary review answer key. Section A wants the exact English spelling.

Question	Answer	Marks
1	nervous system	1
2	reflex	1
3	response	1
4	reflex arc	1
5	receptor	1
6	effector	1
7	gland	1
8	synapse	1
9	neurotransmitter	1
10	iris	1
11	pupil	1
12	retina	1
13	circular muscles	1
14	radial muscles	1
15	rods	1
16	cones	1
17	hormone	1
18	adrenaline	1
19	insulin	1
20	glucagon	1
21	gravitropism	1
22	phototropism	1
23	auxin	1
24	shoot	1

Multiple Choice Answers

Q25: C
Q26: C

Multiple Choice Answers

Q27: B

Multiple Choice Answers

Q28: A
Q29: B

30(a)(i)	*any one from:* *idea of* coordination of, (named) body functions / (named) responses ; *idea of* regulation of (named) body functions ;
30(a)(ii)	brain ; spinal cord ;
30(b)	stimulus ; impulse ; relay ; motor ; synapse ;

31(a)	sense ; tissue ; receptor ;
31(b)(i)	X drawn on blind spot ;
31(b)(ii)	*cornea* B ; *iris* C ; *retina* E ; *optic nerve* D ;
31(b)(iii)	iris controls how much light enters (the, pupil / eye) ; lens focuses light onto retina ;

32(a)(i)	mRNA / messenger RNA **;**
32(a)(ii)	ribosome **;**
32(a)(iii)	*any three from:* molecule **A** / mRNA, is a copy of the gene (for insulin) **;** transfers instructions from, DNA / nucleus, to, cytoplasm / ribosome / **B** **;** passes through **B** **;** sequence of bases determines the order of amino acids **;**
32(b)	insulin is a hormone **;** stimulates liver (cells and muscle cells) **;** to, absorb / take up, glucose / sugar, from the blood **;** across cell membranes **;** stimulates production of glycogen (in cells) / AW **;** reduces concentration of, glucose / sugar, in the blood **;** homeostasis **;** AVP **;**
32(c)	*any two from:* glucagon / hormone **;** amylase **;** trypsin / protease **;** lipase **;** AVP **;;**