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## Theoretical Test Part A

### Answer Key

NO.	A	B	C	D	E	F	NO.	A	B	C	D	E	F	NO.	A	B	C	D	E	F
A1				X			A21					X		A41				X		
A2	X						A22			X				A42		X				
A3			X				A23	X						A43					X	
A4		X					A24					X		A44			X			
A5						X	A25			X				A45	X					
A6			X				A26			X				A46			X			
A7			X				A27			X				A47				X		
A8		X					A28					X		A48				X		
A9	X						A29			X				A49			X			
A10		X					A30		X					A50				X		
A11			X				A31	X						A51				X		
A12					X		A32				X			A52		X				
A13		X					A33	X						A53			X			
A14		X					A34		X					A54				X		
A15					X		A35			X				A55					X	
A16			X				A36				X			A56		X				
A17				X			A37					X		A57		X				
A18			X				A38	X						A58				X		
A19	X						A39		X											
A20				X			A40				X									

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## Theoretical Test Part B

### Answer Key

- The questions in Part B may have more than one correct answer. Fill your answers in the Answer Sheet. The marks, numbers, or characters to answer questions in Part B vary depending on questions. Unless mentioned otherwise, mark the correct answers with “○” and incorrect answers with “—” for multiple choice questions on the Answer Sheet clearly, as shown below.

No.	A	B	C	D	E	F
B0.	○	—	○	—	—	—

- EVERY CELL MUST BE FILLED IN, OTHERWISE IT IS 0 POINT. Then you will get the points.

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(Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet clearly. 0.3, 0.5, or 0.6 points per cell, depending on the number of cells for the answer of each question)

NO.	A	B	C	D	E	F	G	P	Q	R	S	T
B1	O	--	--	O	O	--						
B2	--	O	O	--	--			--	O	--	O	--
B3	--	O	--	O	O							

B4 (Fill in the correct set of answers. 0.6 points per cell)

A	B	C	D	E
5	2	5	8	7

(Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet clearly. 0.5, or 0.6 points per cell, depending on the number of cells for the answer of each question)

No	A	B	C	D	E	F
B5	O	--	O	O	--	
B6	O	O	O	--	--	--
B7	--	--	O	--	O	O
B8	--	O	--	O	--	O
B9 (deleted)						
B10	--	O	--	O	O	

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B11	O	O	--	O	--	
B12	O	--	--	--	O	
B13	--	O	--	--	O	O
B14	--	O	--	--	O	
B15	--	--	--	O	O	
B16	O	O	O	--	--	
B17	O	O	--	--	O	
B18	O	O	--	--	O	

B19 (Fill in the correct set of answers. 0.6 points per cell)

Function code	Structure code (I ~ V)
a.	II
b.	V
c.	I
d.	III
e.	IV

B20 (Indicate the correct set of answers. 0.375 points for each correct matching)

	I	II	III	IV	V	VI	VII	VIII
Letter	b	a	e	h	f	g	d	c
Number	7	4	3	1	5	8	6	2

**B21 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet**

**clearly. 0.6 points per cell)**

A	B	C	D	E
O	O	O	--	O

**B22 (Fill in the correct answers. 0.6 points per cell)**

Structure/hormone	Answer
$\alpha$ cells of the pancreatic islets	<b>b</b>
Insulin	<b>c</b>
Liver	<b>e</b>
Adrenal medulla	<b>g</b>
Cortisol	<b>h</b>

**B23 (Fill in the correct answers. 0.6 points per cell)**

Structure/hormone	Answer
Sertoli cells	e
Anterior pituitary	b
Gonadotropin releasing hormone	a
FSH	c
Inhibin	g

**B24 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet  
clearly. 0.5 points per cell)**

a	c	d	e	f	h
--	--	--	--	--	O

**B25 (Fill in the correct answer. 0.6 points per cell)**

Mechanism	Figure number
Blocking of step A	I
Facilitation of step B	IV
Blocking of step C	I
Facilitation of step D	V
Blocking of step E	III

**B26 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet**

clearly. 0.6 points for each correct matching)

Mechanism	Answer
Blocking of step A	--
Enhancement of step B	O
Blocking of step C	--
Enhancement of step D	--
Blocking of step E	O



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B27 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet

clearly. 0.6 points per cell)

Statement	Answer
a. D remain the same distance apart	--
b. A move closer to the ends of the B	O
c. C become shorter	O
d. B become wider	--
e. D lines move closer to the end of the B	--

B28 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet

clearly. 0.6 points per cell)

A	B	C	D	E
O	--	--	--	O

B29 (3 points)

<u>  6  </u> : 00
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(Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet clearly. 0.6 points per cell)

No.	A	B	C	D	E	F
B30	--	--	--	O	--	
B31	--	O	--	O	O	
B32	O	O	--	--	O	--

(Fill in the correct answers. 0.75 points per cell)

B33.1.	QqRr
B33.2.	192
B33.3.	0.6
B33.4.	8%

B34 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet clearly. 0.5 points per cell)

A	B	C	D	E
--	--	O	O	--

B35a-c. problem set. (Fill in the correct answers. 1 point per question, 3 points total)

B35a I+III

B35b A, D, E

B35c C

(Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet

clearly. 0.6 points per cell)

No.	A	B	C	D	E
B36	--	O	O	--	--
B37	--	--	O	--	--

B38 (3 points)

9 days

(Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet

clearly. 0.6 points per cell)

No.	A	B	C	D	E
B39	--	--	--	O	--
B40	--	O	--	O	O
B41	--	O	--	O	--
B42	--	--	O	--	O
B43	O	--	O	--	O

B44 (Indicate true (T) or false (F). 0.6 points for each correct matching)

A	B	C	D	E
F	T	T	F	F

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B45 (Indicate true (T) or false (F), 0.75 points for each correct matching)

A	B	C	D
T	F	T	F

B46.1 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet clearly. 0.25 points per cell)

A	B	C	D	E	F
O	--	O	--	--	--

B46.2 (Fill in the correct answer, 1.5 points)

1/8
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B47.1 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet clearly. 0.3 points per cell)

A	B	C	D	E
O	--	--	--	--

B47.2 (Fill in the correct answer, 1.5 points)

0.069
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OK → 0,07

B48 (Fill in the correct answer. 3 points)

5/16

B49 (Fill in the correct answer. 3 points)

Chromosome 5

B50 (Mark the correct answers with "O" and incorrect answers with "--" on the Answer Sheet  
clearly. 0.5 points per cell)

A	B	C	D	E
--	--	O	--	--