			2023 年月	度1期				
科	目 名	受験	専 攻	受験	番 号		氏	名
		農業工学	≤ 専攻					
	英語	博士後期						
I Please read the	following senter	nces and answer the quest						
1. Trease read the	e tonowing senter	lees and answer the ques						
(Source: Björn C	Gustavii. How to V	Write and Illustrate a Scie	entific Paper. 3 ^r	^d ed.; CAME	BRIDGE UI	NIVERSITY P	RESS: 2017,	1-2.)
× •				ŗ				,
Q1.								
V		-						
Ans. (1)		(2)		(3)				
<u>Alls. (1)</u>		(2)		(5)				
II. Please put the	e most appropriate	e a word or words in each	n bracket.					
				_				
				-	_	_		
			_					
(Source:	臼井俊雄. 科学	の知識と英語を身にな	っける; ベレ出	版, 2016)				
Ans. A)		B)	C)		D)			
			,		,			
III Dianca calact	the most appropr	iate a word or words in e	ach bracket fro	m the follow	ing choice			
III. I lease select	the most appropr	late a word of words in e			ing choices			
			_					
				_				
(Source: É	日井俊雄. 教養と	しての理系の英語; ベ	レ出版,2014)					
Ans. i)		ii)	iii)		iv)		v)	

2022 年度 10 月入学・2023 年度 1 期

	2022年度10月八子	• 2023 平度 1 两			
Subject	Department / Course	Application Number	Name		
Fradiah	Agricultural engineering				
English	Doctor				
IV. Please read the following passage an	d answer the following questions.				
(Source: Tony Allan, "virtual water" 201	1 Chapter 1 n 15-16 I B TAURIS	S)			
(Source: Tony Anan, Virtual water 201	1, Chapter 1 p.15-10, 1.D. IAORIE	<i>)</i>			
Question 1 Which of the following is t	he appropriate word in (A)? Pleas	se circle a correct answe	er.		
	- ·				
Question 2 Which of the following is t	he appropriate word in (B)? Pleas	se circle a correct answe	er.		
Question 3 Which of the following is t	he appropriate word in (C)? Plea	se circle a correct answe	er.		
Question 4 Which of the following is t					
This breakfast includes a cup of espresso	o coffee, a slice of toast, an apple,	eggs, a glass of milk, an	d bacons.		
Question 4 Which of the following is t	he appropriate word in (E)? Pleas	se circle a correct answe	er.		
The volume of a bathtub is assumed to b					

2022 年度 10 月入学・2023 年度 1 期

Subject	Subject Department / Course		Name
地域資源利用工学	資源利用工学 Agricultural Engineering		
Land and Water Use Engineering Doctor			

1. Please choose one question among 2 questions and answer it.

(1) In arid and semi-arid regions, to minimize the amounts of irrigation water is indispensable. Using following 3 words in blanket, please describe your idea on how to minimize the amount of irrigation water to crops under the limited water resources.

(I. ET (evapotranspiration), II. Drip irrigation, III. Root zone)

(2) Revised Universal Soil Loss Equation is the most popular model for estimating amount of soil loss from agricultural fields. Using following 5 words in blanket, please describe your idea on how to estimate the amounts of soil loss with high accuracy.

(I. Rainfall, II. Soil, III. Topography, IV. Crop, V. Conservation practice)

		202	23年度2期			
Subject	Department / Course		Application Number / 受験番号	-]	Name	
英語	Agricultural Engineering / 農業工学	学専攻				
English	Doctor / 博士後期課程					
English	Doctor / 博士後期課程 Select the word that fits in the bland otions.		(D) and the blanks [1]	~ [6] of the following	ng sentences from the	
Cultural	Environmental Human	ity	Provisioning	Regulating	Supporting	
Answer (A)		<u>(C)</u>	<u>(D)</u>			
	~ [6] options		(h) control diarid	graanhausa ass		
(a) 3 billion to 6 billion people(c) humans increased rapidly			(b) carbon dioxide and other greenhouse gases(d) recreation, artistic and spiritual fulfillment, and intellectual development			
(c) religions, heritage values, social interactions, and the linked			(f) water use doubled			
amenity servi	-	lie lilikeu	(1) water use doubled			
[1] Reference: M	alphabet with (a)~(f) [2] [3] "illennium Ecosystem Assessment Boar 39-46, 2005, Island Press	_	[5] [5]		1-59726-040-1	

2023年度2期

Subject	Department / Course	Application Number / 受験番号	Name
	Agricultural Engineering / 農業工学専攻		
English	Doctor / 博士後期課程		
	Please put the most appropriate word in each bracke	et.	
L	r		
(Source	e: 臼井俊雄. 科学の知識と英語を身につける;	ベレ出版, 2016)	
Ans. A)	B) C)	D)	E)
Question 3 E	Please put the most appropriate verb in the followin	a brackets	
Question 5.1	lease put the most appropriate vero in the following	g blackets.	
1)			
2)			
2)			
3)			
(
(Sourc	ce: 臼井俊雄. 教養としての理系の英語; ベレ	出版, 2014)	
<u>Ans. F)</u>	<u>G)</u>	H)	
Question 4. P	Please introduce your home country in English (200)-300 words), for example, history	, culture, agriculture, food, and so on.
-			

2023年度2期

Subject	Department / Course	Application Number	Name
Agricultural Process and	Agricultural Engineering		
Logistics Engineering	Doctor		

Answer 2 questions from the following 4 questions.

1. Please explain the freshness and quality of vegetables including the evaluation and examination of them.

2. Please explain the typical drying characteristics of food, especially concerning the changes in the moisture content, temperature, drying rate, and moisture ratio, and the drying models (mathematical models) used in agricultural products.

3. Please explain inverse problems and forward problems in the field of numerical analysis.

4. Please explain the definition of numerical simulation and its benefits in the field of food engineering and/or agricultural engineering.