

大学院入学試験問題用紙

2021 年度 2 期

科 目 名	受 験 専 攻	受 験 番 号	氏 名
英語 1	農業工学 専攻 博士後期 課程		

I 質問に答えよ。 Answer the questions.

1) Write your thoughts regarding the importance of statistical analysis in the field of Agricultural Engineering. (at least 50 words, in English)

2) Give one statistical analysis that you have used in your research and explain the statistical analysis with specific examples. (at least 50 words, in English)

II 質問に答えよ。 Answer the questions.

Choose one goal from 17 SDGs* goals and explain the link between your research and the goal.

***The SDGs were adopted by all United Nations Member States in 2015 as a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by 2030.**

Goal 1: No poverty

Goal 2: Zero hunger

Goal 3: Good health and well-being

Goal 4: Quality education

Goal 5: Gender equality

Goal 6: Clean water and sanitation

Goal 7: Affordable and clean energy

Goal 8: Decent work and economic growth

Goal 9: Industry, innovation and infrastructure

Goal 10: Reduced inequalities

Goal 11: Sustainable cities and communities

Goal 12: Responsible consumption and production

Goal 13: Climate action

Goal 14: Life Below Water

Goal 15: Life on land

Goal 16: Peace, justice and strong institutions

Goal 17: Partnerships for the goals

1) Explain the link between your research and the goal which you have chosen. (at least 50 words, in English)

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III 以下の文章を読み、質問に答えよ。 Answer the questions.

Reference: Hardy, Climate Change, John Wiley G Sons, 2003.

*Svante Arrhenius was a Swedish scientist who mentioned the greenhouse effect of the earth for the first time.

*スヴァンテ・アレニウス・・・二酸化炭酸の温室効果について初めて言及したスウェーデンの科学者

1) Write the appropriate word to fill the blank [1]-[5]. 空欄 [1]-[5]に当てはまる最も適切な単語を書け

IV 以下の文章を読み、質問に答えよ。 Answer the questions.

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Reference: Arid Land Research and Management, 15: 275 - 279, 2001.

1) Write the appropriate word to fill the blank [6]. 空欄 [6]に当てはまる最も適切な単語を書け

2) Please refine the following words correctly to complete a sentence to fill the blank [7]. 下記の語句を並べ替え、[7]に適切な文章となるようにせよ。 understand, is, the, will, meant, reader, what

3) Write the appropriate word/phrase as similar as numerous[8]. numerous[8]とほぼ同じ意味の単語を書け。

4) Write the appropriate word/phrase as similar as valuable[9]. valuable[9]とほぼ同じ意味の単語を書け。

5) What is (are) unnecessary for the abstract? Abstract に必要でないものは何か。問題文よりすべて抜き書きせよ。

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科 目 名	受 験 専 攻	受 験 番 号	氏 名
専門（地域資源利用工学）	農業工学 専攻 博士後期 課程		

I Choose one goal from the list

以下の 2 つ（1.または 2.）から解答する設問を 1 つ選択してください。

(From the following 2 questions, please select only one question for giving your answer.)

1. 水系における流出負荷を予測するために、多くの予測モデルが開発されています。複数のモデルを取り上げてその利点と欠点を述べてください。(There are many models for predicting qualitative and quantitative conditions of water loads. Please choose a few models and describe their strengths and weaknesses.)

2. 流域の農業生産地では、降雨に伴って様々な物質輸送が生じている。その物質輸送を示すモデルを取り上げ、解説してください。(Various substance transports happen in farmlands associated with rainfall events. Please choose any model presenting substance transports in farmlands and explain it.)

選択した設問に対して、以下に 500 ワード程度で解答を記述してください。

(Please give an answer with around 500 words to the Question you selected.)