

大学院入学試験問題用紙

2025 年度 1 期

科目名	受験専攻	受験番号	氏名
英語	国際農業開発学 専攻 博士前期 課程		

Answer both Question I (on page 1) and Question II (on page 2). Write your name on both pages.

Question I: Read the article below and answer the following questions.



Source: International Fund for Agricultural Development (2021), IFAD's Rural Development Report 2021, Transforming food systems for rural prosperity.

(<https://donorplatform.org/wp-content/uploads/2022/07/rdr2021.pdf>) accessed on 01 July 2023.

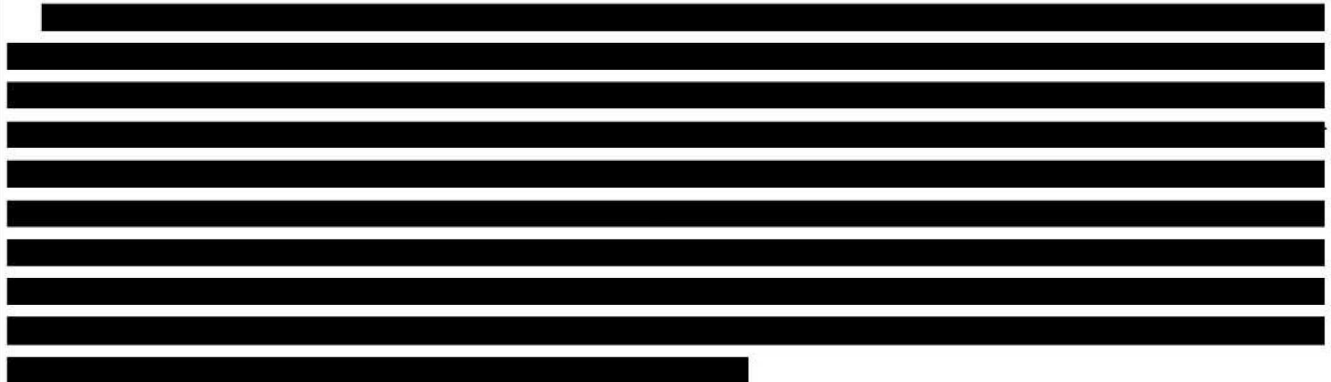
- (1) Answer whether the sentences below are correct or incorrect according to the article, and check the appropriate box (☑)
- 1) Income from non-farm employment has great significance for the poor people in rural areas.
 Correct Incorrect
 - 2) Food is cheaper in urban areas than in rural areas.
 Correct Incorrect
 - 3) The lower food security of rural consumers compared to urban consumers is due to their lower purchasing power.
 Correct Incorrect
 - 4) There is little correlation between food purchasing power and undernourishment.
 Correct Incorrect
 - 5) In West Africa, the percentage of the population suffering from malnutrition is higher in rural areas.
 Correct Incorrect
- (2) Based on the situation in your country, explain food diversification in relation to income difference within 3 to 4 lines of sentence. If you write more or less than the required limit, you will lose points.

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英語 English	International Agricultural Development, Master's course		

Question II: Read the article below and answer the following questions.



(Source: *A bitter cup: climate change profile of global production of Arabica and Robusta coffee*, *Climatic Change*,
Doi: 10.1007/s10584-0114-1306-x, 2015, 129: 89-101.)

(1) Decide whether the sentences below are correct or incorrect according to the article, and check the appropriate box (☑)

Global warming would reduce coffee production, especially in *Coffea canephora*.

Correct Incorrect

Authors want to make a project for mitigating the effects of climate change on the coffee production in global scale.

Correct Incorrect

This paper shows that highly productive areas of coffee in Brazil and Vietnam may become unsuitable for coffee in the future.

Correct Incorrect

In some regions, for instance, Ethiopian, Ugandan and Kenyan highlands there are positive changes in suitability.

Correct Incorrect

The reason coffee is insensitive to climate change is that current cultivation of the crop relates future climate change.

Correct Incorrect

(2) Make a summary of above article about 70 words. You can use the reverse side of this paper if needed.

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科目名 Subject	受験専攻 Course	受験番号 Examinee's number	氏名 Name
熱帯作物学 Tropical crops science	国際農業開発学 専攻 博士前期 課程 International Agricultural Development (Master's Course)		

熱帯・亜熱帯地域の作物を一つ選び、その作物の特徴（分類、生態的特性、栽培法、用途など）、解決すべき課題について説明しなさい。

Choose one crop from the tropics or subtropics, and then explain its characteristics (classification, physiological and ecological characteristics, cultivation methods, usage, etc.) and challenge for crop production.

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科目名 Subject	受験専攻 Course	受験番号 Examinee's number	氏名 Name
熱帯園芸学 Tropical Horticultural science	国際農業開発学 専攻 博士前期 課程 International Agricultural Development (Master's Course)		

熱帯の途上国において野菜や果樹などの園芸作物の栽培が果たしうる役割について、あなたの考えを述べなさい。

Describe your opinion on the possible roles of horticultural crop cultivation like vegetables and fruits in developing countries in the tropics.

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科 目 名	受 験 専 攻	受 験 番 号	氏 名
農業環境科学 Agricultural Environmental Science	国際農業開発学専攻 博士前期課程 International Agricultural Development (Master's course)		

次の課題から 1 つを選び、説明しなさい。紙面不足の場合は、裏面使用可。

- ① 農業と畜産業に起因する環境問題の原因と対策
- ② 食料生産における「陸と海」の関係の重要性
- ③ 沙漠の自然成因と沙漠化の原因

Choose one out of the following three subjects and explain them. You can also use the reverse side of this sheet.

- 1) Causes and countermeasures of environmental problem due to agriculture and livestock industry.
- 2) Importance of the relationship between "land and sea" in food production.
- 3) Causes of natural deserts and desertification.

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2025 年度 2 期

科目名 Subject	受験専攻 Course	受験番号 Examinee's number	氏名 Name
熱帯作物学 Tropical crops science	国際農業開発学 専攻 博士前期 課程 International Agricultural Development (Master's Course)		

熱帯・亜熱帯地域の作物を一つ選び、その特性（分類、生態的特性、栽培法、生産、用途など）について説明しなさい。

Choose a crop from a tropical or subtropical region and explain its characteristics (classification, physiological and ecological characteristics, cultivation methods, production, uses, etc.) and challenge for crop production.

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2025 年度 2 期

科目名 Subject	受験専攻 Course	受験番号 Examinee's number	氏名 Name
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あなたが野菜栽培の専門家として熱帯の途上国に派遣されることを想定して、どのような技術協力が可能であるか、具体的な内容と期待される効果について述べてください。

Describe the examples and expected benefits of the technical cooperation you could provide, assuming you were sent to a tropical developing country as an expert in vegetable cultivation.

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英語	国際農業開発学 専攻 前期課程		

【Question1】 Read the following sentences and put the round mark if the following answers are correct and put cross mark if the following answers are not correct?



(Source: *Farm Management and Environment of Rainfed Agriculture in Laos*, Ryuichi Yamada, 2014, p. 48)

- (1) There are no countries which have realized economic development.
- (2) It is very important for Laos to solve the poverty problem.
- (3) All Southeast Asian countries are extremely poor countries.
- (4) Poverty problem in Southeast Asian countries is not so serious.
- (5) Poverty reduction is an easy agenda.
- (6) Economic development is only goal for developing countries.

【Question2】 Explain the contents of sustainable farming based on the case study.

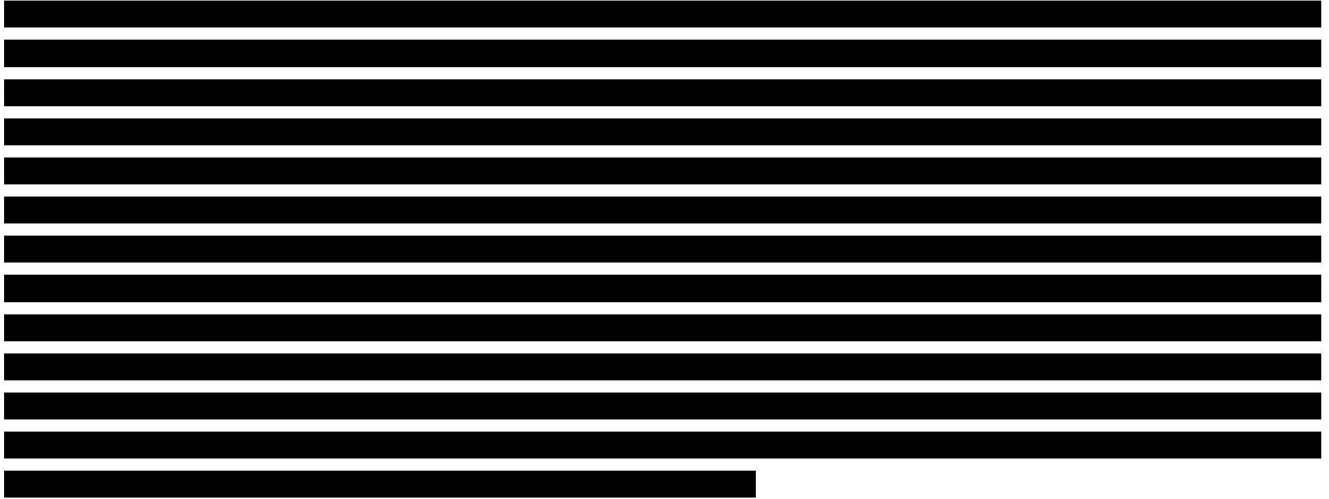
【Question3】 Explain more detail about practical and useful agricultural sciences by showing the case study?

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Question 4: Read the article below and answer the following questions.



(Source: *Possibilities of using silicate rock powder: An overview*, *Geoscience Frontiers*, <https://doi.org/10.1016/j.gsf.2021.101185>, 2022, 13 101185: 1-11.)

(1) Decide whether the sentences below are correct or incorrect according to the article, and check the appropriate box (☑)

Application of crushed rocks contributes soil management, mitigation of climate change, and preservation of water resources.

Correct Incorrect

Silicate rock powder applied in soil activates soil microbes and captures carbon from atmosphere.

Correct Incorrect

Authors collected information from one or two countries for evaluating the use of geological materials.

Correct Incorrect

The technology with application of processed minerals boosted up establishment of sustainable agriculture and mitigated global warming.

Correct Incorrect

The effect of silicate rock powder with absorption of carbon dioxide keeps for long period.

Correct Incorrect

(2) Make a summary of above article about 70 words. You can use the reverse side of this paper if needed.

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農業環境科学 Agricultural Environmental Science	国際農業開発学専攻 博士前期課程 International Agricultural Development (Master's course)		

農業が地域環境あるいは地球環境に悪影響を及ぼしている事例を 1 つ挙げ、そのメカニズムと対策について論じなさい。紙面不足の場合は、本紙裏面を使用可。

Give an example of how agriculture negatively impacts the local and/or global environment and discuss the mechanisms and countermeasures. You can also use the reverse side of this paper.

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科 目 名	受 験 専 攻	受 験 番 号	氏 名
農業開発経済学 Agricultural Development Economics	国際農業開発学専攻 博士前期課程 International Agricultural Development Master's course		

下記の事項から一つを選び、それについて途上国の具体例をあげながら論じなさい。解答用紙裏面の利用可。Choose one topic from the list below and discuss it with examples from developing countries.

You may use the reverse side of the paper if necessary.

- Randomized controlled trial (RCT)
- Savings and credit co-operative (SACCO)
- Index-based insurance
- Interlinked contracts