

**University of Ruhuna- Faculty of Technology**  
**Bachelor of Biosystems Technology Honours Degree**  
**Level 2 (Semester II) Examination, November / December - 2023**  
**Academic year 2021/2022**

**Course Unit: BST 2232 – Indigenous knowledge in Biosystems management (Theory)**

**Duration: 1 hour and 30 minutes**

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Please read and follow the **instruction** carefully before answering the questions.

- Answer **All Two (2)** questions in **PART 1** in the given space.
- Answer **Only Two (2)** questions in **PART 2**.
- Use separate book for answering the questions in **PART 2**.
- Each question should be started with a new page.
- Calculators and mobile phones are not allowed

**PART 1 – Answer All questions**

**Question 01 (100 Marks)**

I. Mention **four (04)** types of hospitals found in antient Sri Lanka **(20 Marks)**.

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II. State **three (03)** evidences that elucidate the advanced technological healthcare systems present in ancient Sri Lanka **(30 Marks)**.

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III. Point out **five (05)** forms of traditional healing in Sri Lanka **(20 Marks)**.

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IV. Name **four (04)** local Sri Lankan practices used in protecting mental health care (10 Marks).

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V. Write down **two (02)** significant threats to traditional knowledge in health and well-being of the people (20 Marks).

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**Question 02 (100 Marks)**

I. Mention the world intellectual property day (10 Marks).

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II. Briefly explain the **two (02)** types of protection for Indigenous knowledge. (24 Marks).

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III. Write down the **five (5)** benefits of the Indigenous Knowledge **(30 Marks)**.

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IV. What do you mean by 'WIPO'? **(16 Marks)**.

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V. Briefly explain how WIPO initiated the protection for Indigenous Knowledge. **(20 Marks)**.

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**PART 2 – Answer two (02) questions only**

**Question 01 (100 Marks)**

- I. Briefly explain important environmental friendly factors considered in chena cultivation (40 Marks).
- II. Explain the importance of understanding the Indigenous knowledge to sustainable management in agriculture (60 Marks).

**Question 02 (100 Marks)**

- I. Briefly discuss the differences between traditional and modern perspectives in water resources management (50 Marks).
- II. “Antient Sri-Lanka had a multi-purpose water resources management”. Discuss this statement by giving suitable examples (50 Marks).

**Question 03 (100 Marks)**

“The traditional village system maintained a sustainable relationship with the forests in the vicinity”. Discuss the above statement.

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