

KATHMANDU UNIVERSITY
End Semester Examination
June/July, 2023

Marks Scored:

Level : B.Sc.

Year : I

Exam. Roll No. :

Time: 30 mins.

Course : AGRS 101

Semester: I

F.M. : 20

Registration No.:

Date : 16 July

SECTION "A"
[20Q. × 1 = 20 marks]

Encircle the most appropriate alternative from each set of choices.

- Who established the concept of NATURE FARMING?
a. Dr. Bill Mollison and David Homgren
b. Mokichi Okada
c. Masanobu Fukuoka
d. Rachel Carson
-are those crops grown as substitute for a staple crop that has failed.
a. Restorative crops
b. Catch crops
c. Cover crops
d. Relay crops
- In Nepal, rice nearly contributesto the national GDP.
a. 7%
b. 21%
c. 18%
d. 15%
- Which among the following is not the component of panchangam?
a. Karan
b. Nakshatra
c. Tithi
d. Pal
- The concept of Anna Brahma is depicted in.....
a. Taitariyo Upanishada
b. Swetashwatara Upanishad
c. Isha Upanishad
d. Mandukya
- Sustainable Yogic Farming is initiative of
a. Isha Foundation
b. International Society for Krishna Consciousness
c. Brahma Kumaris
d. The Art of Living
- Mindful agriculture movement is related with
a. Vipashyana Meditation
b. Sahaj Yoga Meditation
c. Kundalini Meditation
d. Raja Yoga Meditation
- Which among the following is not a Panchagavyam?
a. Ghee
b. Cow Milk
c. Paneer
d. Cow Urine
- In the history of agriculture development, McCormick reaper was invented and patented in
a. 1734 AD
b. 1934 AD
c. 1834 AD
d. 1994 AD

10. Which one of the following is most common disease of vegetable nursery?
- | | |
|-------------------|----------------|
| a. Bacterial wilt | c. Soft rot |
| b. Damping off | d. Late blight |

Fill in the blanks.

11. The machine that is used to sow the seed without doing tillage is called
12. The female cow born by the cross between Yak and Kirkho cow is
13. Tithiis good for seed germination.
14. There areRashi in planetary motion.
15. The tea estate in Ilam and Jhapa are one of the examples of.....agriculture.
16. Water ofSagar is good for agriculture.
17. A fungal disease in rice that causes lesions on leaves with grey centre and brown margin is
18. Tithi.....is good for crop harvest.
19. The agriculture development strategy that started from 2015 is of.....years duration.
20. There are..... Ritus in a year.

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F. M. : 55

SECTION "B"

(Short answer questions)
[5Q. × 5 = 25 marks]

Attempt *ANY FIVE* questions.

1. What are organic farming and permaculture? Briefly explain their principles.
2. Describe about the different approach of agriculture extension system followed in Nepal? Mention challenges/problems of agriculture service delivery in Nepal?
3. What are the objectives of using machines in agriculture? Explain about status of agriculture mechanization in Nepal.
4. Explain the role of vedic agriculture in the context to current challenges to increasing environmental and soil degradation?
5. Write short note on Nepalese wisdom to manage the earth, water, fire and air and ether.
6. Explain about traditional method of managing pest.

SECTION "C"

(Long answer questions)
[3Q. × 10 = 30 marks]

Attempt *ANY THREE* questions.

7. What are the various disciplines of crop sciences you have known in agriculture? Describe each of them with relevant examples.
8. What do you mean by animal husbandry? Write their importance. What are ruminants and non-ruminant animals? Differentiate them and give examples of these animals.
9. What do you understand about "Krishi Panchanga"? Briefly explain the five elements of Krishi Panchanga.
10. How wisdom based agriculture is being propagated globally?