



FIJI NATIONAL UNIVERSITY

**College of Agriculture, Fisheries & Forestry
School of Agricultural Sciences and Forestry
Department of Crop Production
Bachelor of Science in Agriculture – Year 3
Final Examination
Trimester 2 - 2019**

AEX 701: Emerging Trends in Agriculture Extension

Writing Time: 3:00 hours

Reading Time: extra 10 minutes allowed at the beginning of the exam

Total Marks: 100

INSTRUCTIONS:

1. This paper consists of five pages.
2. Please check to see that all your paper is complete.
3. Answer all questions in the Answer Booklet only.
4. No written or printed material and mobile phones are allowed in the examination hall.
5. Marks allocated for each section appears at the side of each question so allocate your time accordingly.
6. This paper is divided into Three Sections

Section A: Multiple Choice

(10 Marks)

Section B: Short answer

(30 Marks)

Section C: Essay

(60 Marks)

Section A

[10 marks]

Question 1

Multiple Choice

[10 marks]

Write the most appropriate answer in the answer book provided

1. It can interpret national government policies and procedures to rural people and is called
 - A. project approach.
 - B. cost sharing approach.
 - C. specialized commodity approach.
 - D. general extension approach.

2. Technology that stores, manipulates and disperses information (data) is known as
 - A. information communication technology.
 - B. internet.
 - C. computer.
 - D. e-agriculture.

3. <http://www.agriinfo.in/> is an example of
 - A. web page.
 - B. web address.
 - C. IP address.
 - D. e-mail.

4. _____ device are instructional devices which are used to communicate messages more effectively through sound and visuals.
 - A. audio
 - B. visual
 - C. interactive
 - D. audio-visual

5. Technology that helps in identifying location and carrying out baseline surveys on the farm is known as
 - A. geographical information system.
 - B. global positioning system.
 - C. information communication technology.
 - D. information system.

6. Which of the following listed below is not a visual aid used in extension?
- A. Chalk board.
 - B. Flip chart.
 - C. Film strip.
 - D. Public addressing system.
7. The most convenient technology that provides farmers with weather update can be
- A. agro-meteorological.
 - B. geographical information system.
 - C. mobile phone.
 - D. global positioning system.
8. This method emphasizes participation by village residents and the function of the externals as catalysts and partners for self-determined development.
- A. Participatory Rural Appraisal.
 - B. Participatory Learning Methods.
 - C. Agro Ecosystem Analysis.
 - D. Rapid Rural Appraisal.
9. Which of the following is an example of abstract learning?
- A. Understanding the lack of nutrient in soil through change in colour of vegetation.
 - B. Comparing complex parameters and calculation to determine soil nutrient.
 - C. Understanding soil fertility by looking at soil horizons.
 - D. Comparing insect damage by looking at two plants.
10. _____ aids are instructional devices which are used to communicate messages more effectively through sound and visuals.
- A. Audio-visual
 - B. Communication
 - C. Mass media
 - D. Agricultural extension

Section B**Short Answer Questions****(30 marks)****All questions in this section is compulsory**

1. Discuss the following terms:
 - i. Cyber extension.
 - ii. Agriculture knowledge information system.
 - iii. Information communication technology. (6 marks)

2. Compare the following concepts in extension:
 - i. Individual and groups learning theory.
 - ii. Participatory rural appraisal and participatory learning method.
 - iii. Abstract and concrete learning. (6 marks)

3. Discuss ways to finance agriculture extension?

4. Analyse the purpose of AKIS? (3 marks)
5. Discuss three ICT technology used in Fijian agriculture? (3 marks)
6. Discuss two Principles of participation? (4 marks)
7. Analyse the opportunities in cyber extension? (2 marks)
8. Distinguish and discuss two ways of financing agricultural extension organisations?
(2 marks)
9. Discuss the challenges faced in cyber extension? (2 marks)
10. Distinguish tools used for cyber extension? (2 marks)

Section C

Essay

(60 marks)

Answer only three questions in this section.

Question 1

Gender mainstreaming in extension is a very important for agriculture development. Analyse the given statement and relate it to Fiji's situation. (20 marks)

Question 2

Audio visual aid plays an important role in agricultural extension. From the knowledge you have gained in this course, analyse the importance of audio-visual aids with its advantage and disadvantages. (20 marks)

Question 3

It is a constraint for extension department to reach all farmers, therefore it is important to develop local leaders. Evaluate the types of leadership in extension work. (20 marks)

Question 4

Agricultural extension approaches are important to deliver extension service. Analyse the following extension approaches in detail.

- Educational institute approach
- General Agriculture approach
- Commodity approach
- Project approach
- Participatory approach

(20 marks)

THE END