

**UGANDA MARTYRS UNIVERSITY**  
**FACULTY OF AGRICULTURE**

Bachelor of Science in Organic Agriculture  
Bachelor of Science Agriculture

Year 4 & 1 Special and Supplementary Examination: 2014/2015  
Module AG/16 and OA/5: Agriculture Information Systems:

**September 2015**

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**INSTRUCTIONS:**

- This examination is made up of sections A and B.
- Answer any four questions picking two questions from each section.
- Start each answer on a separate answer sheet.
- *Do not write anything on a question paper*
- You are allowed three (3) hours for the examination

**Section A: Attempt two questions only from this section**

1. The need for agriculture information continues to grow as agriculturalists and farmers are eager to acquire the latest methods in farming using the available media.
  - a). With examples, explain the agricultural information needs for farmers(10 marks).
  - b). State and explain the different users of agricultural information (15 marks)
2. Cleopatra is a successful Vanilla rural farmer in the newly created district of Ntoroko in Uganda and needs guidance on how best she can disseminate her agricultural information to the public and the government.
  - a). As an expert in Agricultural Information Systems, advise Cleopatra on the different tools she can employ to disseminate her agriculture information (10 marks)
  - b). Explain the different channels Cleopatra can use for disseminating information to her intended people(15 marks)
3. a) With examples, define the following media: (10 marks)
  - i. Audiovisual media
  - ii. Print media
  - iii. Electronic media
  - b). What factors should you consider in the production of printed materials for agricultural information dissemination? (15 marks)
4. a) Explain the role played by atleast three different partners in agriculture extension (10 marks)
  - b). In Uganda, agriculture extension is the most important means by which agriculture information can reach its end users who are the farmers. Explain the different methods of agricultural extension you can employ to create a strong and efficient agricultural extension network in your area. (15 marks)

**Section B: Attempt two questions only from this section**

5. a) Agricultural Information Policy in agriculture information management is very important. Explain the importance of agriculture information policies to a registered company of commercial farmers in a country of your choice. (10 marks)
- b) Using the knowledge you have acquired during your studies of Agricultural Information Policy and Policy issues, give the components of information policy checklist that you will use to guide the organisation where you work from to come up with an Agricultural Information Policy. (15 marks)
6. a) Write short notes on the following: (10 marks)
- i. The Internet
  - ii. The World Wide Web (WWW)
  - iii. Computer Conferencing
  - iv. File Transfer Protocol
  - v. Electronic Mail
- b) Explain the situations under which the Internet may be used for Agricultural Information. (15 marks)
7. a) Give the three major characteristics of Agricultural Research Networks. (10 marks)
- b) Discuss any five benefits of networking in agricultural institutions. (15 marks)
8. a) Explain the use of Online Public Access Catalogue (OPAC) in accessing agricultural information. (10 marks)
- b) Describe the different materials used in Agricultural Information Institutions. (15 marks)

The End. Good Luck