

## M05/AGR404/EE/20160518

**Time : 3 Hours**

**Marks : 80**

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**Instructions :**

1. All Questions are Compulsory.
  2. Each Sub-question carry 5 marks.
  3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
  4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1.
  - a) Enlist and Explain Secondary Storage Devices in Computer Data Management.
  - b) Explain Role of Internet and World Wide Web in Agricultural Extension.
  - c) Enlist 10 Most Credible Websites in Indian Agriculture.
  - d) Enlist and Explain Components of Computer Networks.
  - e) Explain Structure and Functions of information kiosk.
2.
  - a) Define Network Architecture and Explain Layers in Network Communication.
  - b) Enlist and Explain Components of GIS System.
  - c) Define Geographical Information System (GIS) and Explain its application.
  - d) Enlist and Explain Components of Remote Sensing.
  - e) Enlist and explain applications of Remote Sensing in Agriculture.
3.
  - a) Write note on challenges of Cyber Agricultural Extension in India.
  - b) Enlist five Applications of Cyber Extension in Agriculture.
  - c) Enlist and Explain Cyber Extension Initiatives in Asia.
  - d) Enlist and explain stages in design and development of Expert system.
  - e) Write note on e-library and virtual university.

4. a) Write note on National Knowledge Commission (NKC) of India.
- b) Write note on Relativism Paradigm.
- c) Define and Explain Difference between Information and Knowledge.
- d) Write Note on dynamics and dimension of knowledge.
- e) Write Note on Agricultural Knowledge Information System (AKIS).

