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Program  
**EXTN0506**

Question Bank

ICTs for Agricultural Extension and Advisory Services

Full Marks: 50

Time: 3

Hrs.

*Answer Part-A, Part-B & Part-C as per the instructions there in.*

*The figure in the right hand margin indicates marks.*

PART – A

[10]

**1. Fill in the blanks:**

[10x0.5=5]

- a) \_\_\_\_\_ is user platform instrument in harnessing the power NE region through dynamic partnership and convergence among the diverse stake holders.
- b) \_\_\_\_\_ is a web portal of MoA and FW, GoI, under the Department of Animal Husbandry, Dairying and Fisheries (DADF).
- c) \_\_\_\_\_ app is developed by Tata Consultancy Services (TCS) Innovation Lab –Mumbai, in collaboration with ICAR-Central Marine Fisheries Research Institute and Indian National Centre for Ocean Information Services (INCOIS) Hyderabad.
- d) \_\_\_\_\_ is a system that uses human knowledge captured in a computer to solve problems that ordinarily require human expertise.
- e) \_\_\_\_\_ is where local people produce and broadcast their own programs and participate in operating the station.
- f) \_\_\_\_\_ happens when the learner takes advantage of the learning opportunities offered by mobile technologies.
- g) \_\_\_\_\_ provides platform for interaction of people and content creation, exchange and commenting in virtual communities and networks (Ahlqvist *et al.*, 2008).
- h) \_\_\_\_\_ SAU developed Experts Systems for Paddy, Sugarcane, Ragi, Sheep and Goat, Coconut, Buffalo, Poultry, Banana.
- i) All India Radio (AIR) came into existence in 1936 and came to be known as \_\_\_\_\_ from 1957.
- j) A \_\_\_\_\_ is a collection of interlinked web pages typically hosted from a single domain.

**2. Matching Table:**

[10x0.5=5]

- |                             |                                |
|-----------------------------|--------------------------------|
| a) AgroStarAgri-Doctor      | No login required              |
| b) KRISHI                   | NE region                      |
| c) Rice doctor              | ULink AgriTech Pvt. Ltd.       |
| d) website                  | ICAR-DMR                       |
| e) KIRAN                    | medicinal and aromatic plants  |
| f) Mushroom App             | DSS                            |
| g) web portal               | Personal login required        |
| h) Fisher Friend Mobile App | Data repository system of ICAR |
| i) e-Dalhan gyan manch      | ICAR-IIPR                      |
| j) Herbal Kisan             | Expert system                  |

**PART – B**

[20]

**3. Choose the correct answer or True/ False statement: [10x1=10]**

- a) An Expert System is defined as a computer program designed to model the problem-solving ability of a human.
- b) Decision support system is a computer-based information system including knowledge-based system that support decision making activities.
- c) Tacit knowledge is typically acquired through experience, and it is intuitively understood.
- d) Social media includes business networks, virtual worlds, reviews.
- e) ICT encompasses both the internet-enabled sphere as well as the mobile one powered by wireless networks.
- f) TED Ed includes general educational topical videos of less than 10 minutes on various topics for free of cost.
- g) FPOs are also known as farmers' producer companies (FPC).
- h) Human-computer interaction (HCI) is the study of how people interact with computers and computer-based systems.
- i) The basic working of remote sensing with UAVs, satellites is almost the same.
- j) Yield mapping is a technique to show which areas produces the driest or moistest crops.

**4. Differentiation or define or abbreviations or statement: [10x1=10]**

- a) MOOCS
- b) CAI
- c) IoT
- d) AGMARKNET
- e) KRISHI
- f) CBI
- g) EEI
- h) MANAGE
- i) CeRA
- j) IU

**PART – C (Answer any Four)**

[4x5=20]

- 5. Explain the role of ICTs in agricultural knowledge management. [5]
- 6. Describe the role of social media in agricultural development with examples.[5]
- 7. How ICT helps in market intelligence and information systems? Explain with examples based in India. [5]
- 8. What is ICT? Explain the tools of ICT with examples. [5]
- 9. Write short notes on any **One**:- [5]
  - a) Drones in agriculture
  - b) GIS and GPS