

Total No. of Questions: 6

Total No. of Printed Pages:3

Enrollment No.....



Faculty of Agriculture  
End Sem Examination Dec-2023

AG3AE13 Agri-Informatics

Programme: B. Sc. (Hons.)

Branch/Specialisation: Agriculture

Duration: 3 Hrs.

Maximum Marks: 50

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1 i. Who is known as father of computers? **1**  
(a) James Gosling (b) Charles Babbage  
(c) Dennis Ritchie (d) Bjarne Stroustrup
- ii. What is the full form of CPU? **1**  
(a) Computer processing Unit  
(b) Central processing Unit  
(c) Control Processing Unit  
(d) Computer Principle Unit
- iii. A world wide web contains web pages- **1**  
(a) Created using HTML  
(b) With links to other web pages  
(c) Residing in many computers linked together using HTML  
(d) Residing in many computers
- iv. SWAYAM launched by which institute? **1**  
(a) UGC (b) CSIR (c) ICAR (d) IIT
- v. When data are classified according to a single characteristic, it is called: **1**  
(a) Multi-classification (b) Database classification  
(c) Simple classification (d) Complex classification
- vi. Which one of the following are type of computer model used in agriculture? **1**  
(a) Crop Model (b) Economic Model  
(c) Weather model (d) All of these

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- vii. Which tool provides timely information about seeds to promote local crop production? **1**  
 (a) Crop Model (b) Crop Calendar  
 (c) Plant Calendar (d) All of these
- viii. Crop doctor is picture and image based “if and then rule” based programme which is written using which programme? **1**  
 (a) Dot net programme (b) Do Not Programme  
 (c) Don’t Net Programme (d) None of these
- ix. Which Mobile App launched by IFFCO for the assistance of farmers in various agricultural activities? **1**  
 (a) IFFCO farmer (b) IFFCO mobile  
 (c) IFFCO Kisan (d) IFFCO Map
- x. What is the full form of GIS? **1**  
 (a) Geometric information system  
 (b) Geographic Information System  
 (c) Geologic Information System  
 (d) Geoinformatics system
- Q.2 i. What are computers? **1**  
 ii. What are operating systems in computers? **2**  
 iii. What is data presentation and data interpretation? **5**
- OR iv. What is database? What are the applications of DBMS in agriculture? **5**
- Q.3 i. Define WWW. **1**  
 ii. What is a computer programming language? Enlist few computer programming languages. **3**  
 iii. What is e-agriculture? Describe applications of digital world in agriculture. **4**
- OR iv. What is ICT in agriculture? Describe applications of ICT in agriculture. **4**
- Q.4 i. Enlist few computer models used in agriculture to understand about plants. **2**  
 ii. Describe briefly about various applications of information technology in the field of agriculture. **6**

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- OR iii. Which computer devices are used in agriculture? Enlist few computer controlled devices for Agri-input management. **6**
- Q.5 i. What is GIS? **2**  
 ii. What is geospatial technology? **2**  
 iii. Enlist few smart phone apps in agriculture. Describe the application of smart phone apps in agriculture. **4**
- OR iv. Why smart phone apps are needed in agriculture system? Describe briefly with examples. **4**
- Q.6 Attempt any two:  
 i. What is DSS? Explain it’s application in agriculture. **4**  
 ii. Explain about various expert system used in agriculture. **4**  
 iii. Describe briefly the preparation of contingent crop planning using IT tools. **4**

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