

B.Sc. (Honours) Agriculture Semester-III Examination, 2018

Course No: AIN-211 (Agriculture Informatics)

Signature of Centre Superintendent

Roll No. : (in figure) _____ (in words) _____

Student Index No. _____ Regn. No. _____ of _____

Time : Two Hours

Full marks : 50

Questions are of value as indicated in the margin

Part - I
(Objective and Short Answer Type)
(Use only ball point pen)

Time : 30 minutes

Full marks : 20

- Note:** 1. Answer in question paper itself.
2. Striking, rewriting or overwriting are not allowed in the objective type questions.

1. **Fill up the blanks with most appropriate words :** 1×10=10
- (i) Name of the father of modern digital computer is _____
- (ii) Linking of computers with a communication system is called as _____.
- (iii) The number system recognized by computers is popularly known as _____.
- (iv) VLCI (Very Large-Scale Integration) is a feature of _____ generation computers.
- (v) The operating system which is used only in computers but not in mobile is _____
- (vi) '.com' extension for websites is mostly used for _____ websites.
- (viii) 'Keyboard' and 'Mouse' act as _____ device for computers.
- (ix) The universally accepted coding system for computers is known as _____ codes.
- (x) 1 Megabytes is equal to _____ Bytes.

2. **Write short notes on (any five):** 2×5=10
- (i) Operating System

- (ii) Basic anatomy of a computer

(2)

(iii) Disadvantages and limitations of computer

(iv) Difference between 'Hardware' and 'Software'

(v) Use of 'Application Software'

(vi) 'Intranet' and 'Internet'

(vii) 'Data analysis' tab for statistical analysis in MS - Excel

(viii) Primary & Secondary Memory of Computer

B.Sc. (Honours) Agriculture Examination, 2018

Semester-III

**Course No: AIN-211
(Agriculture Informatics)**

**Part - II
(Descriptive Type)**

Time : 90 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer *any three* questions

3. What is Computer? What are the major components of a desktop computer? Briefly describe their functions. What are important uses of computer in modern days? 2+2+4+2=10
 4. What do you understand by the term 'Number System'? What are the major number systems available now a days? Which 'Number System' is applicable in case of computers? Transform the following decimal numbers to binary and binary numbers to decimal 1+2+1+6=10
 - a. 125
 - b. 0.3125
 - c. 11010
 - d. 0.0101
 5. Name some of the most commonly used operating system software. What are the functions of an operating system in computers? What is an 'Application Software'? Name any commonly used application software available in your computer. Briefly describe its uses. 2+2.5+2+1+2.5=10
 6. What is 'Networking of Computer'? Briefly describe about the two commonly used network architecture for computer networking. Enunciate the steps to build/develop a website from scratch. 2+4+4=10
 7. What is e-agriculture? How the use of computers and mobiles can be beneficial to farmers? Name a few useful "Mobile Apps" in agriculture for farm advices. Briefly describe about any popular mobile apps for agriculture of your choice including its availability, features, limitations and future scope of improvement. 1+2+2+5=10
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