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220156

5th Sem.
Branch : Agriculture
Subject : Precision Agriculture

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)

Q.1 GPS stands for _____. (CO2)

a) Geo positioning system

b) Geographic position system

c) Global positioning system

d) Global people survey

Q.2 The collection of information related to object without being physical contact with them is called as _____. (CO4)

a) Precision agriculture b) Remote sensing

c) Yield monitoring d) GPS system

Q.3 GIS deals with with kind of data. (CO2)

a) Numerical b) Binary

c) Spatial d) Complex

Section-D

Note: Long answer questions. Attempt any two question out of three Questions. (2x8=16)

Q.23 Explain GIS system, its principle and components for precision agriculture. (CO2)

Q.24 Describe the various types of precisions maps used in precision agriculture. (CO3)

Q25 What is the nutrient stewardship of 4 R's for precision agriculture? (CO1)

Q.4 Grid soil sampling use the same principle of soil sampling but _____the intensity of sampling. (CO3)

a) Increases b) Decreases

c) Remain constant d) None of these

Q.5 _____is the key information in agricultural decision making policy/ formulation policy. (CO4)

a) GIS system b) Agro geo information

c) GPS system d) Geo information

Q.6 Which of the following is automatic technology? (CO5)

a) GIS b) GPS

c) VRT d) None of these

Section-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Write two steps of precision farming. (CO1)

Q.8 Temporal data. (CO1)

Q.9 Full form of DGPS. (CO2)

Q.10 Give minimum two major sector in which GPS is applied. (CO2)

Q.11 AI stands for _____. (CO5)

Q.12 Write two uses of drones. (CO5)

Section-C

Note: Short answer type Question. Attempt any eight questions out of Ten Questions. (8x4=32)

Q.13 Explain the GPS system and also enlist its functions. (CO2)

Q.14 Explain the limitation of precision agriculture in India. (CO1)

Q.15 What do you understand by crop scouting? (CO3)

Q.16 Enlist different types of remote sensing resolutions. (CO4)

Q.17 Write down applications of VRT. (CO3)

Q.18 Discuss about basic segments of GPS system. (CO2)

Q.19 Define precision agriculture and its benefits. (CO1)

Q.20 Enlist applications of remote sensing in precision agriculture. (CO4)

Q.21 What do you understand by grid sampling? (CO3)

Q.22 Describe the micro irrigation system used inprecision agriculture. (CO5)