Q.18 Write down applications of VRT. (CO3)

Q.19 Write any four differences between GIS and GPS system. (CO2)

Q.20 Describe the working of GPS system. (CO2)

Q.21 How precision farming is different from traditional farming? (CO1)

Q.22 What is grid sampling? (CO3)

SECTION-D

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

Q.23 Describe remote sensing, its working and applications. (CO4)

Q.24 Describe the micro irrigation system used inprecision agriculture. (CO5)

Q.25 Explain GIS system, its principle and components. (CO2)

No. of Printed Pages : 4 220156
Roll No. .....

5th Sem / Agriculture

Subject : Precision Agriculture

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 GIS stands for_____. (CO2)

a) Geographic Information Services

b) Geopositioning Information Services

c) Geopositioning Information System

d) Geographic Information System

Q.2 Grid soil sampling use the same principle of soil sampling but _____ the intensity of sampling. (CO3)

a) Decreases b) Increases

c) Remain constant d) None of these

Q.3 Band Selection is one of the important steps in _____. (CO1)

a) Hyper spectral remote sensing

b) Hydrospectral data

c) Remote sensing

d) All the above

Q.4 Which sensor is used by some mapping systems to improve accuracy of grain flow measurements? (CO4)

a) Clean grain elevator speed sensor

b) Grain moisture sensor

c) Travel speed sensor

d) Grain flow sensor

Q.5 The required fertilizer N is distributed in several applications during the crop growing season using tool like the_____. (CO5)

a) Specific leaf area b) Leaf colour chart

c) Leaf area index d) None of these

Q.6 _____ is used to operationalize precision farming at the farm level. (CO1)

a) Variable rate applicator

b) Variable rateapplication

c) Variable ratetechnology

d) None of the above

SECTION-B

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

Q.7 Which kind of data GIS deals? (CO2)

Q.8 Write applications of GIS system. (CO2)

Q.9 Define Yield monitoring. (CO4)

Q.10 Write down one uses of IOT in precision agricultural. (CO5)

Q.11 Write full form of VRT. (CO2)

Q.12 Write components of GIS. (CO2)

SECTION-C

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

Q.13 Write down applications of drone in precision farming. (CO2)

Q.14 Describe the concept of Artificial intelligence and Machine Learning. (CO5)

Q.15 What are the applications of remote sensing in precision agricultural. (CO4)

Q.16 What are the challenges of precision agricultural? (CO5)

Q.17 What are the benefits of precision agricultural? (CO1)