Q.22 List down different types of sensors used inprecision agriculture. (CO-4)

SECTION-D

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

Q.23 Define the Precision Farming, and also describe its advantages, tools and equipment ? (CO-1)

Q.24 Compare between GIS and GPS system for precision agriculture. (CO-2)

Q.25 Describe the various remote sensing resolutions. (CO-4)

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5th Sem. / Agriculture Engineering

Subject : Precision Agriculture

Time : 3 Hrs. M.M. : 60

SECTION-A

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

Q.1 _____ is the powerful set of tools for collecting, storing and retrieving the data. (CO-2)

a) Precision agriculture b) GIS system

c) Yield monitoring d) GPS system

Q.2 Which map is/ are one of the most valuable sources of spatial data for precision agriculture ? (CO-3)

a) Soil grid sampling b) Yield map

c) Soil map d) All of these

Q.3 Which sensor is used by some mapping systems to improve accuracy of grain flow measurements ?

a) Clean grain elevator speed sensor (CO-4)

b) Grain moisture sensor

c) Travel speed sensor d) Grain flow sensor

Q.4 VRA systems based on _____. (CO-3)

a) Maps based b) Sensors based

c) Both A & B d) None of these

Q.5 Automated farm machineries are operated with the help of _____. (CO-5)

a) SVM b) NGIS

c) MLC d) SSNM

Q.6 _____ is the important tool to monitor the soil health and resilience. (CO-4)

a) Soil testing b) Crop testing

c) Water testing d) GIS system

SECTION-B

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

Q.7 Precision agriculture/ farming is also known as _____. (CO-1)

Q.8 GPS is started by_____ in 1973. (CO-2)

Q.9 Spatial data. (CO-2)

Q.10 GNSS stands for _____. (CO-4)

Q.11 DGPS stand for____. (CO-2)

Q.12 Write at least one use of IOT in precision agriculture. (CO-5)

SECTION-C

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

Q.13 What is the scope and adoption of precision agriculture in India ? (CO-1)

Q.14 Compare between precision farming and traditional farming . (CO-1)

Q.15 Describe the importance of precision farming system in the Indian context. (CO-5)

Q.16 Define GPS system . Also list down its basic segments. (CO-2)

Q.17 What do you understand by VRT. How these VRT's useful in precision farming. (CO-3)

Q.18 Explain uses of precision maps . (CO-3)

Q.19 What are the applications of GIS system ? (CO-2)

Q.20 Describe remote sensing. (CO-4)

Q.21 Explain the IOT in precision agriculture. (CO-5)