Question Paper Code: 6066

M.Sc. (Ag.) (Semester-I) Examination, 2017

AGRONOMY

[First Paper]

(Modern Concepts in Crop Production)

Time: Three Hours] [Maximum Marks: 50

Note: Answer five questions in all, including Question No. 1 which is compulsory. Attempt one question from each unit.

- 1. Describe briefly of the following: [2x10=20]
 - (a) Adaptation and mitigation of climate change
 - (b) Carbon rating
 - (c) Abiotic stress
 - (d) Conservation agriculture
 - (e) Protective cultivation
 - (f) Precision farming

6066/200

(1)

[P.T.O.]

(g)	g) Site specific nutrient management		UNIT-III			
(h)	Economic optimum dose		6.	What are biotic and abiotic stresses ? Describe the		escribe the
(i) Organic farming				mitigation measure to these stresses through integrated		
				appr	oaches.	[7]
(j)	Farming system		7.	Write short notes on the following:		[7]
UNIT-I				577		
				(a)	Concept of ideal plant type	
Describe Agro-ecological zone of India with their		with their		(b)	Crop response production function	
import	ance.	[8]		(-)	o. op . oope. oo production randton	
How can we mitigate the effect of climate change on			UNIT-IV			
crop productivity and soil health?		[8]	8.	What is farming system research? How it is helpful in		
	UNIT-II			susta	ining agriculture production?	[7]
D-6			9.	What are crop growth and yield contributing parameters		
Define mulch, its types and importance in soil and water conservation.				of the following: [7]		
conser	vation.	[8]				1.1
Write short notes on of the following:		[8]		(a)	Rice	
(a)	Soil fertility and soil productivity			(b)	Wheat	
(b)	Zero tillage and minimum tillage			x		
(c)	Plant population and plant geometry					

(3)

6066/200

6066/200

(2)

2.

3.

4.

5.