

Total No. of Questions: 6

Total No. of Printed Pages: 3

Enrollment No.....



Faculty of Agriculture
End Sem Examination May 2025
AG3CO33 Introductory Agro-Meteorology & Climate Change

Programme: B.Sc. (Ag.) Branch/Specialisation: Agriculture

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

	Marks	CO	BL
Q.1	i.	Greek word 'Meteoro' means_____.	1 1 1
	(a)	High in the air	
	(b)	Inside the earth's surface	
	(c)	Space rock	
	(d)	None of these	
ii.	The solid portion of earth is known as_____.	1 1 1	
	(a)	Hydrosphere	(b) Acetone
	(c)	Atmosphere	(d) Lithosphere
iii.	The ultra violet radiation is strongly absorbed by_____.	1 2 2	
	(a)	Ozone	(b) Stratosphere
	(c)	Thermosphere	(d) Ionosphere
iv.	According to planning commission, agro climatic region of the whole country has been divided into_____regions.	1 2 1	
	(a)	11	(b) 16
	(c)	15	(d) 20
v.	Relative humidity is expressed in_____.	1 3 1	
	(a)	Decimal	
	(b)	Percentage	
	(c)	Proportion	
	(d)	None of these	

Marking Scheme

AG3CO33- Introductory Agro-meteorology & Climate Change

Q.1	i) Greek word 'Meteoro' means. (a) high in the air	1
	ii) The solid portion of earth is known as. (d) Lithosphere	1
	iii) The ultra violet radiation is strongly absorbed by. (a) Ozone	1
	iv) According to Planning Commission agro climatic region of the whole country has been divided into. (c) 15	1
	v) Relative humidity is expressed is. (b) Percentage	1
	vi) The line joining the places having equal atmospheric pressure is called as. (a) Isobar	1
	vii) Monsoon is a, (b) Arabic word	1
	viii) The wind vane is used to determine..? (c) Wind direction	1
	ix) Which types of weather forecasting helps in determining cropping pattern? (c) Long weather forecasting	1
	x) Increased concentration of which of the following may cause maximum global warming? (c) Carbon dioxide	1
Q.2	i. What is wind?	1
	ii. Define agricultural meteorology	2
	iii. Write the difference between cyclone and anticyclone. Any five points.	5
OR	iv. Explain composition of atmosphere. Any five points.	5
Q.3	i. Define Albedo.	1
	ii. What is solar constant? Also give its average value.	3
	iii. What is the significance of solar radiation in crop production? Any four points.	4
OR	iv. Explain role of temperature in crop production? Any four points.	4
Q.4	i. Write the forms of precipitation.	2
	ii. Explain cloud seeding and its types.	6

OR	iii. Give the classification of clouds.	6
Q.5	i. Define heat and cold wave.	2
	ii. What are Weather hazards?	2
	iii. What is drought? Give the classification of drought.	4
OR	iv. Explain importance of monsoon in Indian agriculture. Any four points.	4
Q.6	i. Explain types of weather forecasting and their uses. Any four points.	4
	ii. Explain Global warming and its effect on Indian agriculture. Any four points.	4
	iii. What are climate change and its impact on Indian Agriculture? Any four points.	4