University of Ruhuna - Faculty of Technology

Bachelor of Biosystems Technology Degree Level 4 (Semester II) Examination November/December 2023

	Index No:				
NSTRUCTIONS: Number of pages: four (4) Part I - Answer all questions – 50 minutes.					
	Part II - Answer two (2) questions only - 40 minute	es			
Part I-Answer AL	L Questions				
1. a Briefly ex	plain the terms of weather analysis given below;	(15 marks)			
i. Nowcastin		(15 mans)			
ii. Forecastii	ng .				
iii.Warnings		8.			
b. List the so	even (7) major steps of weather forecasting.	(10 marks)			

1	Briefly explain the following terms. i. Air mass	(9 marks
	I. All Illuss	
	ii. Front	
	Name four (4) types of fronts.	(8 marks)
	b. List four (4) weather disturbances	(8 marks)
	a. What is a cloud?	(4 marks)
	b. Mention three (3) importance of clouds.	(9 marks)
	c. State major features of the following cloud	types. (12 marks)
i	Cumulonimbus	types. (12 marks)
ii	Cirrostratus	

	Radiosonde		
			50
ii	Satellite		
	P. I.		
iii	Radar		
Diff	ferentiate lightn	ing and thunderstorms (10 marks)	
Par	t II -Answer ON	ILY TWO Questions	
. Brie	efly explain the	factors affecting the climate and weather.	(20 marks)
		effect of human involvement on weather and	
a char	t notes on any o	f two (2) of the followings with suitable diag	rrame
	nfall pattern in	ROMENTAL STATE OF THE STATE OF T	(25 marks)
	mation of cloud		(25 marks)
EII	Niño and La Niñ	ia patterns	(25 marks)
Priofly	avalain the adv	antages and the disadvantages of the non-rec	ording type rain
		auge) over recoding type rain gauge.	(30 marks)

1.

2.

3.

@@@@@@@@@@@@@@@@@@@@