

## KERALA AGRICULTURAL UNIVERSITY B.Sc.(Hons) Forestry 2017 Admission II Semester Final Examination- August 2018

Narm.1201

## Forest Survey and Engineering (2+1)

## Marks: 50 Time:2 hours

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				Time.2 nours
I		Match the following		(10x1=10)
		Α	В	~ /
	1	Optical square	Whole circle bearing	
	2	Alidade	Bridge	
	3	Prismatic compass	Temporary datum	
	4	Bench mark	Orientation of plane table	
	5	Abutement	Offsets	
		State True or False		
	6	Ranging can be done when the end stations are not intervisible.		
	7	Levelling operations always start from Benchmark.		
	8	Contour lines very close to each other represent steep slope.		
	9	Sum of interior angle of a hexagon is 720 <sup>0</sup>		
	10	Plane of collimation is also called as height of instrument method.		
п		Write Short notes on any FIVE of	the following	(5x2=10)
	1	Differentiate between whole circle be	. ,	
	2	Cross staff survey and its objectives.		
	3	Principles of surveying.		
	4	Chain on sloping ground.		
	5	What is local attraction? How do you	detect it?	
	6	Alignment of forest roads in hilly are	as.	
	7	Differential levelling.		
III		Answer any FIVE of the following.		(5x4=20)
	1	Intersection method in plane tabling.		
	2	Theodolite.		
	3	Working principle of prismatic compa	ass.	
	4	Obstacles in chaining with examples.		
	5	What are Bridges? Explain Simple we	ooden bridge with a neat sketch.	
	6	Check dams.		
	7	Rise and fall method of dumpy level s	survey.	
IV		Write an essay on any ONE of the f	ollowing	(1x10=10)
	1	Field procedure of chain survey with	•	
	2	Different parts of a dumpy level and i		
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