

KERALA AGRICULTURAL UNIVERSITY B.Tech.(Food Engg.) 2018 Admission I Semester Final Examination-January-2019

Cien.1101

Basic Civil Engineering (2+1)

Marks: 50 Time: 2 hours

		(10x1=10)	
I		Choose the correct answer	'
	1	The weight of standard brick should be a 1000g b 1500g c 2500g d 3000g	
	_	u loog o loog o	
	2	The IS classification of bricks is based on i Statement I compressive strength	
		a only(i) is correct b (i) and (ii) are correct	
	_	c (i)and(iii)are correct d (i),(ii) and (iii)are correct	
	3	Which of the following is hardest mineral? a Quartz b Felspar c Garnet d Amphibole	
		# Amma	
	4	Plane survey is conducted for the area up to a 260 km ² b 100 km ² c 195.5 km ² d 160 km ²	
	_	In a chain surveying, perpendiculars to the chain line are set out by	
	5	a A theodolite b a prismatic compass c a clinometer d an optical square	
	_	a A theodolite of a prismatic compass	
	6	a $S30^{0}$ W b $S30^{0}$ E c $N30^{0}$ E d $N30^{0}$ W	
	7	a 550 W 0 550 E	
	7	Orientation of plane table is done by a Spirit level b Trough compass c Plumbing fork d Drawing sheet	
		and the same of th	
	0	Over it rites can and ammonia-nitrogen, determined together, is usually known asnitrogen	n
	8	The state of the covered ettilients when discharge into the first is	
	10	The amount of oxygen consumed by sewage from potassium dichromate is termed	
	10		•
п		as	"
11	1	Selection of building materials	
	2	Principles of surveying	
	3	Bonds in Brick-work	
	4	Differential leveling	
	5	Plumbing fork	
	6	Types of chains	
	7.	Breakpoint Chlorination (5x4=2	0)
Ш		A SIN WIND AT THE THINWING	-,
	1	How is the cement classified? Describe the wet process of manufacturing cement.	
	2	What are the properties of hardened concrete? Write the advantages of curing.	
•	3	Explain how closing errors in compass survey is adjusted by Bowditch' method.	
	4	Name and discuss the four mechanisms thought to occur during coagulation.	
	5	the same and granterior's compass	์
	6	Differentiate between prismatic compass and surveyor's compass. Explain the sedimentation process used in a water treatment plant. Draw a neat sketch of	u
	v	sedimentation tank.	
	7	Explain the term BOD. (1x10=1)	0)
IV	′	Answer ANY ONE of the following Answer ANY ONE of the following	ve
ŤΑ	1	Answer ANY ONE of the following Explain with sketches, the different methods of locating a point by plane table. Discuss the relationship is the sketches, the different methods of locating a point by plane table.	. •
	1	merits of these methods.	
	2	merits of these methods. What do you understand by prestressed concrete? What are its advantages and disadvantages?	
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