Seat No.:	Enrolment No.
Seat No	Emoniem No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## BE -SEMESTER 1&2(NEW SYLLABUS) EXAMINATION- WINTER 2018

1

Subject Code: 3110004				Date: 10-01-20	Date: 10-01-2019		
Sub	ject	Name: BASIC C	IVIL ENGINEE	RING			
		0:30 am to 01:0	00 pm		Total Marks:	70	
Instr			•				
	1. 2.	Attempt all quest Make suitable ass		var nacassarv		-	
		Figures to the rig	-	•			
		<b>9</b>			· C		
		D: D 1			_().	Marks	
<b>Q.1</b>	(a)					03 04	
	<b>(b)</b>	Enlist principles of planning and describe any one in detail					
	(c)	Enlist different types of foundation and explain Open footing 07					
					5		
<b>Q.2</b>	(a)	Explain Application of Total station					
	(b)	Explain features		as vyara talzan an	a sloping ground. The first	04 07	
	(c)	_	-		a a sloping ground. The first at RL of each point and apply	U/	
		arithmetical che			it KL of each point and appry		
			785,1.200,2.500,3	3.480.0.320.0.65	5.0.985.1.300		
		- · · · · · · · · · · · · · · · · · · ·	,,		-,,,		
				OR			
	(c)	1 20 10					
		internal angles	and correct them	if necessary	_		
		Line	FB	BB			
		AB	55°30'	235°00'			
		BC	113°00'	293°30'			
		CD	190°00'	10°00'			
0.0		DA	279°00'	99°00'		0.2	
Q.3	(a)	Enlist Instruments used in chain surveying  One of Dynamy level and show all parts  One of Dynamy level and show all parts					
<ul><li>(b) Draw sketch of Dumpy level and show a</li><li>(c) Give classification of solid waste and des</li></ul>					hy its sagragation in wat and	04 07	
	(c)	dry is necessary		e and describe w	my its segregation in wet and	U/	
		dry is necessary	•	OR			
Q.3	(a)	Describe primar	ry division of sur			03	
	<b>(b)</b>	_	nals for (i) speed		rking	04	
~ ~	(c)	Which are the w	ater quality stan	dards . Give valu	ues of water quality standard	<b>07</b>	
$\mathcal{A}$	200		al dissolved solid	-	0:2012		
Q.4						03	
,	<b>(b)</b>		between Survey		•	04	
	<b>(c)</b>	Enlist different	bonds of Brick a	and Describe Eng	glish bond in detail	07	
				OR			
Q.4	(a)	Draw sketch of	RCC beam	OK		03	
<b>V.</b> 7	(a) (b)					03	
	(c)	-	efficient Buildin		~	07	
	(*)	r8J	<del> </del>	<i>5</i>			
Q.5	(a)	As a Civil Engineer discuss your role in society			03		

	<b>(b)</b>	Explain physical and chemical properties of cement	04
	(c)	Describes characteristics of contour in brief  OR	07
Q.5	(a)	Give application of Remote sensing	03
	<b>(b)</b>	Give Dimension of Modular Brick and discuss characteristics of first class brick	04
	(c)	Explain concept and functions of smart cities.	07
		*********	
		CO,	
		200.	
	5		
1.0	b		
			2