Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

Subject Code: 3110004

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

Date: 10-01-2019

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Tim	•	Name: BASIC C 0:30 am to 01:0		ERING	Total Marks	: 70
111501	1. 2.	Attempt all quest Make suitable ass Figures to the rig	sumptions where	_		
Q.1	(a) (b)	Enlist principles of planning and describe any one in detail				
Q.2	(c) (a) (b) (c)	Enlist different types of foundation and explain Open footing  Explain Application of Total station  Explain features of smart cities  The following sequential readings were taken on a sloping ground. The first reading was taken on a BM of 50.000 m. Find out RL of each point and apply arithmetical check  0.450,0.560, 0.785,1.200,2.500,3.480,0.320,0.655,0.985,1.300				
Q.3	(a) (b) (c)	internal angles Line AB BC CD DA Enlist Instrume Draw sketch of Give classificat	and correct their  FB  55°30'  113°00'  190°00'  279°00'  nts used in chain  Dumpy level artion of solid was	m if necessary  BB  235°00' 293°30' 10°00' 99°00' n surveying nd show all parts	ed traverse ABCD find out  hy its segregation in wet and	03 04 07
Q.3 Q.4	(a) (b) (c) (a) (b) (c)	Draw traffic signals for (i) speed limit (ii) No parking Which are the water quality standards. Give values of water quality standard for PH and Total dissolved solids as per IS 10500:2012 Describe house water connection with sketch				03 04 07 03 04 07
Q.4	(a) (b) (c)	OR  Draw sketch of RCC beam  Explain Aim ,objectives and key features of BRTS  Explain Energy efficient Building				03 04 07
Q.5	(a)	As a Civil Engi	neer discuss voi	ur role in society		03

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