## **SUBJECT CODE:- 358**

## **FACULTY OF ENGINEERING AND TECHNOLOGY**

## F. E.(ALL) Examination Nov/Dec 2015 Elements of Civil Engineering (Revised)

[Time: two Hours] [Max. Marks: 40]

"Please check whether you have got the right question paper."

- N.B i) Question number 1 is compulsory.
  - ii) Attempt any two questions from remaining questions.
  - iii) Draw neat sketch wherever necessary.

c) Write down the requirement of good drainage system in building.

## **Section A**

Q.1	Attempt any five													10
	<ul> <li>a) Define direct ranging</li> <li>b) Explain quadrantal bearing</li> <li>c) Define fore sight &amp; back sight</li> <li>d) Draw labeled diagram of soak pit.</li> <li>e) Define sedimentation.</li> <li>f) Enlist watershed structure.</li> </ul>													
	g)													
Q.2	a)	a) Explain process of chaining.												
	b)													05 10
	- 7	0.665,0.825,2.540,0.385,3.20,1.40,1.565,2.0,2.45. first reading was taken on a BM of 100.00m & instrum										)m & instrumer		
		was shifted after 4 <sup>th</sup> & 6 <sup>th</sup> reading. Calculate R.L of various points by plane of collimation method.												
Q.3	a)	Write down the temporary adjustment of dumpy level.												05
	b)												05	
	c)										or the following	05		
	-,	bearings.								0				
		LINE	AB	ВС	CD	)	DA	1						
		F.B	40	70	21	.0°	280°							
Q.4	a)													05
	b)	Explain A	rithmetic	increase	method	d.								05
	c)	·										)	05	
	,	YEAR	1940	1950	1960	197				,	,			
		POPN	8000	12000	17000	22,5								
		_ , _ , , ,				1/-								
Q.5	a)	a) Explain earthen dam with neat sketch.												05
	b)												05	

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