## DR. BABASAHEB ÁMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

## SUPPLEMENTARY EXAMINATION - NOV 2017

I Semester B. Tech. Civil Engineering (CL108): Introduction to Civil Engineering

Dale: 18/11/2017 Time: 03 Hours Max. Marks: 70 Instructions 1. Question no. 1 is compulsory and carries 1 mark each. 2. Try to Attempt any five questions (i.e. from Q. 2. to Q. 7). 3. Illustrate your answers with neat sketches, diagrams etc. where ever necessary. 4. Necessary data is given in the respective questions. If such data is not given, it means that the knowledge of that data is a part of the examination. 5. If some part or parameter is noticed to be missing, you many appropriately assume it and should mention it clearly. Q.1 Attempt the following Multiple Choice Questions. (10)Lime stone is not a. a) Sedimentary rock b) stratified rock d) metamorphic rock. c) aqueous rock The piece of a brick cut with its one corner equivalent to half the length and half the width of a full brick, is known as d) half king closer. c) king closer a) Queen closer b) bevelled closer In a mortar, the binding material is d)cinder c) surkhi b)sand a) cement The standard size of masonry bricks, is b) 19 cm x 9 cm x 9 cm a) 18 cm x 8 cm x 8 cm e) none of these. d) 21 cm x 11 cm x 11 cm c) 20 cm x 10 cm x 10 cm Black cotton soil is not suitable for foundation because of its b) Low bearing capacity a) Black colour d) None of these c) Non-cohesive particles The commonly used material in the manufacture of cement 15 b) Slate a) Sand stone d) Graphus c) Lime stone vii) Water which is used for drinking is called as b) Wholesome water a) Potable water d) All of these c) Palatable water are roads connecting national highways of neighbouring states, to district head viii) quarters and major cities in the states. b) National highway a) Expressway d) Major district road c) State highway

ix)	is the branch of civil engineering involving the study of soil, its behaviour and				
	application as an engineering material.				
	a) Geotechnical Engineering		b) Structural Engineering		
	c) Transportation Engineering	ng	d) Foundation Engineering		
X)	he main component of brick is				
	a) Clay		b) Mud		
	c) Gravel		d) Soil		
0.2	(1) Evaluin the classification	on of Road on the basis of	FI accord Function	(06)	
		Explain the classification of Road on the basis of Location and Function.  State the Points observed in Site Selection for planning of Building.			
	3) State the Points observed	in Site Selection for plannii	ng of bounding.	(06)	
Q.3	State the Role of Civil H	Engineer in Society.		(06)	
	B) Briefly explain the Process of Manufacturing of Bricks.		Brick	(06)	
Q.4	4 A) Briefly explain the Idealised Remote Sensing.			(06)	
	B) Write down the various types of Buildings.			(06)	
0.5	Flaborate the aspects or	n which contractor can co	ntrol the cost.	(06)	
	B) What are the Precautions should be taken while Storage of cement.			(06)	
Q.6				(06)	
	B) Define term pile Founds function.	ation. Explain the types o	f pile according to their	(06)	
Q.7	Define the terms			(06)	
	a) Bat b) Perpend	a) Bat b) Perpend c) Queen closer d) King closer			
	e) Foundation f) Mitred closer				
	B) Explain the Types of Rubble Masonry with neat Sketches wherever nec		Sketches wherever necessary.	(06)	

\*\* End of paper \*\*