bH-105

Petro



DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE

END SEMESTER EXAMINATION – MAY 2017

Semester: II

(CV207): Basic Civil Engineering (Civil, Mech, Petro, Chemical)

Time: 03 Hours

Max. Marks: 60

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- 1. Try to Attempt any five questions (i.e. from Q. 1. to Q. 6).
- 2. Illustrate your answers with neat sketches, diagrams etc. where ever necessary.
- 3. 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.
- 4. If some part or parameter is noticed to be missing, you many appropriately assume it and should mention it clearly.

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Q.1	A	Explain Rocks & Classify the Rocks according to Physical, Chemical & Geological Point of View?	
	B	Define with neat diagram. a) Reconnaissance Survey and index sketch. b) Ranging c) Cross- staff	06
Q.2	A) ·	b)Explain the building bye-laws with reference To 1) height limitation 2) frontage and open space requirements 3) Safety from fire and explosions	06
	B)	a) Define Foundation. Explain any two with neat sketches.b) Write a short note on Bearing Capacity of soil.	04
Q.3 A)	A)	Explain the detailed classification of pile depending upon their function.	06
	B)	Give the conventional symbol for the following a) Embankment b) Marsh or swamp c) chain line d) level crossing e) Jungle f) metalled road	06
Q.4	A	Write a short note on a) Irrigation b) Watershed management c) Ground water recharge	06
	B)	Briefly explain the waste water treatment process.	06
Q.5	A)	Explain typical layers of flexible pavement with neat sketch.	06

	B)	Write a short note on Traffic Control Devices.	06
Q.6	A)	Elaborate the different Factors which Affects the Properties of Steel?	06
	B)	Define Fore Bearing and Back bearing, BB's of the following lines are given. Find the FB's 1) BB of AB= 310 ⁰ 30' 2) BB of BC= 145 ⁰ 15' 3)BB of CD= 210 ⁰ 30' 4)BB of DE= 60 ⁰ 45'	06

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