DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Examination - Winter 2018

Course: B. Tech in Civil Engineering

Semester: III

Subject Name: Engineering Geology

Subject Code: BTCVC306

Max Marks:60

Date: 12/12/2018

Duration: 3 Hr.

Inst	ructions	to the	Studen	te:

- Solve ANY FIVE questions out of the following.
- The level question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
 Illustrate your answers with neat sketches, diagrams etc. where ever necessary.

4.	Assume suita	ıble data	wherever	necessary) and	mention	it clearly.
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		(Level/CO)	Marks
Q. 1	All questions are compulsory.		12
A)	Write a note on interior of the earth with near labeled diagram.	(CO 1)	
B)	Explain types of volcanoes and its products.	(CO 4)	
C)	Write note on type of transportation by wind.	(CO 1)	
E)	Define various varieties of quartz group of mineral?	(CO 2)	
F)	Using diagram explain the territ Meandering	(CO 1)	
G)	Applications of geology in civil engineering.	(CO 4)	
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Q.2	Solve any Four of the following.		12
A)	What are the clastic and non-clastic sedimentary rocks and their structures?	(CO 2)	
C)	Write in detail on the following properties of intherals with examples.	(CO 2)	
•	(i) Specific gravity (ii) Hardness (iii) Luster (iv) Cleavage		
D)	Describe in brief about importance of olay minerals and their use in modern industries.	(CO 2)	
E)	Bring out the differences between dykes and sill with diagram.	(CO 2)	
F)	Give short notes on types of mountains with suitable examples.	(CO 1)	
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Q.3	Solve any Three of the following.		12
No.	Define fold and describe classification of folds with neat labeled diagrams.	(CO 3)	
(B)	Describe various parts of fault and its following types with labeled diagram	(CO 3)	
	(j) Gravity fault (ii) Reverse fault (iii) Strike slip fault		
	Explain in detail different type of unconformities with labeled diagram.	(CO 3)	
()	Define and describe joints and classification with its role in civil engineering.	(CO 3)	