Download Anna University Questions, Syllabus, Notes @ www.AllAbtEngg.com

			Reg	. No. :		
			Question	Paper Cod	le:52753]
		B.E./B.7	Tech. DEGREE	EXAMINATION	S, APRIL/MAY 2019).
			Γ	Third Semester		
			Ci	ivil Engineering		
			CE 6301 — E	ENGINEERING (GEOLOGY	
			(R	Regulation 2013)		
	(C	ommon to : PTO Sen	CE 6301 – Engir nester – Civil E	neering Geology i ngineering – (Re	for B.E. (Part – Time gulation – 2014))	e) – Second
	Time: Three hours				Maximum	1: 100 marks
			Ansv	wer ALL question	ns.	
			PART A	$-(10 \times 2 = 20 \text{ n})$	narks)	
	1	Draw the inte	rnal structure o	of earth.		
	2.	What is Exfoli	iation?			
	3.	Differentiate l	between colour a	and streak of mir	nerals.	
	4.	Differentiate l	between muscov	rite and biotite.		
	5.	Define crushin	ng strength of a	rock.		
	6.	Write short stone.	note on the im	portance of text	ture and structure of	of a building
	7.	7. What are Joints and Joint sets?				
	8.	Define the term 'Rock Quality Designation' (RQD).				
	9.	What is meant by the term "overlap" in remote sensing?				
	10.	List the causa	ative factors of la	andslides.		

Download Anna University Questions, Syllabus, Notes @ www.AllAbtEngg.com

PART B — $(5 \times 13 = 65 \text{ marks})$

11. (a) Write elaborately on physical and chemical weathering of rocks. What is the significance of weathering of rocks in Civil Engineering?

Oi

(b) Describe the geological work of sea and its engineering considerations.

 (a) List the physical properties of minerals and describe each property with examples from the mineral kingdom.

Or

(b) Describe the composition, properties, varieties and uses of Gypsum, Quartz and Feldspar.

13. (a) Outline the various engineering properties of rocks, and give a detailed account of the laboratory and field test to be carried out to estimate such properties.

Or

- (b) Write detailed notes on the mineral composition, texture, origin, engineering properties and uses of
 - (i) Granite
 - (ii) Dolerite
 - (iii) Sandstone and
 - (iv) Marble.
- 14. (a) Explain folding in rocks and describe the various types of folds.

Or

- (b) Explain how the geophysical methods help in knowing about sub-surface features during civil engineering investigations.
- 15. (a) Illustrate with neat sketches about land slides and their types. What are the various measures to control landslides?

Or

 Explain how remote sensing is done. Discuss in detail on remote sensing application in Civil Engineering.

2

52753

Download Anna University Questions, Syllabus, Notes @ www.AllAbtEngg.com

