	Reg. No.:	
Qu	estion Paper Code: 31038	
B.E./B.Tech. Di	EGREE EXAMINATION, NOVEMBER/DECEMBER	2013.
	Third Semester	
	Civil Engineering	
AG 2211/ AG 33	CE 1201/10111 CE 303/080100009 — APPLIED G	EOLOGY .
AG ZZZZ III	(Common to Geoinformatics Engineering)	
#0 1 m(0	(Regulation 2008/2010)	4
era - Laurea	Maximu	m : 100 marks
me : Three hours	Answer ALL questions.	
	PART A — $(10 \times 2 = 20 \text{ marks})$	
What are the Write any for List the mind Define Hypa Write the ty What is an C Write the ca Define remo	oes of metamorphism. OUTCROP? ouses of folding.	eering Importance (16)
W 4	short notes on:	2-4
4-7	Groundwater mode of occurrence	(8)
(i)	Earthquake belts in India.	(8)

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The state of the s	eals with suitable examples
<ol><li>(a) Discuss about physical properties of miner</li></ol>	ans with substance establishes, (16)
Or	
(b) Write the Physical properties of following	minerals:
(i) Quartz	
(ii) Garnet	
(iii) Hornblende	45 45 mm
(iv) Mica.	$(4\times 4=16)$
13. (a) Explain the distinction between Igeneous,	sadimentary and metamorphic
<ol> <li>(a) Explain the distinction between igeneous, rocks.</li> </ol>	(16)
	(70)
Or	
(b) Write the engineering properties of following	ng rocks
(i) Granite	
(ii) Limestone	
(iii) marble	$(4 \times 4 = 16)$
(iv) Gabbro.	$(4 \times 4 = 16)$
14. (a) Explain in detail about the types of faults a	nd joints with neat sketch.
Or	
(b) Discuss about the seismic and electric meth-	od of Geological Investigation.
	(16)
15. (a) Write a short notes on following:	
(i) Costal erosion and its protection	(4)
(ii) Aerial photography	(4)
(iii) Process of Remote Sensing.	(8)
	(6)
Or	
(b) Explain in detail about Geological condition Tunnels, bridges and Road cuttings.	
runners, bridges and Road cuttings.	(16)
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