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MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent institution of MAHE, Manipal)

VI SEMESTER B.TECH. (CIVIL ENGINEERING)

END SEMESTER EXAMINATIONS, APRIL/MAY 2018

SUBJECT: OPEN ELECTIVE - EARTH SCIENCE [CIE 3286]

REVISED CREDIT SYSTEM

(28/ 04/ 2018)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

1. Answer ALL the questions. 2. Use pencil to draw a neat diagram

Q.No		Marks	CO
1A.	What is runoff? Explain hydrological cycle with a neat diagram	(4)	CO5
1B.	Explain global warming and global dimming	(3)	CO4
1C.	With a neat diagram explain a fold and its parts	(3)	CO3
2A.	What are the factors that determine the amount and type of deformation in a rock	(3)	CO2
2B.	Explain with the neat diagram the types of Convergent Boundaries	(4)	CO2
2C.	Explain the process involved in the formation of atmosphere	(3)	CO1
3A.	What do you mean by weathering? Write a note on the products of weathering	(4)	CO4
3B.	Explain the role of RS and GIS in monitoring flood and drought	(3)	CO6
3C.	What do you mean by sustainable development	(3)	CO5
4A.	With a neat diagram explain the "ROCK CYCLE"	(3)	CO2
4B.	Briefly explain the Geological Time Scale and history of earth	(3)	CO1
4C.	Write a short note on catastrophism and Uniformitarianism	(4)	CO1
5A.	What are the effects of depletion of ozone layer?	(3)	CO4
5B.	With a neat diagram explain structure of cross-Bedding, Ripple Marks and Mud Crack	(3)	CO2
5C.	Explain the formation of Anticline and Syncline with a neat diagram.	(4)	CO3