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MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
A Constituent Institution of Manipal University

VI SEMESTER B.TECH.

END SEMESTER EXAMINATIONS, APRIL/MAY 2017

SUBJECT: OPEN ELECTIVE (Earth Science) CIE 3286
REVISED CREDIT SYSTEM

(03/05/2017)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.

1A.	What are faults? How are they formed? With neat diagram explain different types of fault.	(4)
B.	Define El Nino? Why is El Nino important	(3)
C.	With a neat diagram explain the formation of oxbow lake	(3)
2A.	Describe the relationship between ozone layer and chlorofluorocarbon	(3)
B.	Discuss on the four layers of earth interior with a neat diagram	(4)
C.	What are the perceptible effects of sea level rise	(3)
3A.	Explain the process involved in tapping solar energy as an energy resource	(4)
B.	With a neat diagram explain any three drainage patterns of a river basin	(3)
C.	What are the three stages of deformation that all materials go through as stress is increased	(3)
4A.	What is biodiversity? Explain the importance of biodiversity	(3)
B.	What are Joints? Draw a neat diagram and explain the parts of Joints	(3)
C.	How are sediments formed? What are the process involved in formation of sedimentary rock	(4)
5A.	With a neat diagram explain the different type of plate tectonic movements	(4)
B.	What is weathering? Explain biological weathering of rocks.	(3)
C.	What do you mean by Biosphere? Explain the different types of spheres	(3)