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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: ENVIRONMENTAL MANAGEMENT [CIE 3281]**  
**REVISED CREDIT SYSTEM**  
**(26/ 04/ 2018)**

Time: 3 Hours

MAX. MARKS: 50

**Instructions to Candidates:**

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

Q.No		Marks	CO
1A.	List out six characteristics of environmental management.	3	CO1
1B.	Explain different sectorial economic policies that influence the environmental policies.	5	CO1
1C.	Write a short note on United Nations Environment Programme (UNEP).	2	CO1
2A.	Explain different hierarchy involved in Environment Impact Assessment (EIA).	4	CO2
2B.	Distinguish Strategic Environment Assessment and Environment Impact Assessment.	4	CO2
2C.	List out four constraints and four benefits of Strategic Environment Assessment.	2	CO2
3A.	Explain detailed process involved in Life Cycle Assessment with the help of a flow diagram.	5	CO3
3B.	Describe various steps involved in waste auditing.	5	CO3
4A.	Explain ISO 14020	3	CO1
4B.	Explain various external drivers for Environmental Design.	4	CO3
4C.	Write a short note on OSHAS 180001.	3	CO3
5A.	Explain different environmental strategies to achieve cleaner production.	3	CO3
5B.	Explain various types of environmental costs.	4	CO3
5C.	Write a short note on Pigouvian tax.	3	CO3