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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

SECOND SEMESTER M.TECH DEGREE EXAMINATION, APRIL 2018

Department of Civil Engineering

Environmental Engineering

07CE 6106 Environmental Impact Assessment

Time: 3 hours

Max. Marks: 60

Answer all six questions. Part 'a' of each question is compulsory.

Answer either part 'b' or part 'c' of each question

Q.no.	Module 1	
1a	Define Environment impact. What are the goals of EIA	4
	Answer b or c	
b	Discuss briefly the Air (prevention and control of pollution) Act 1981.	5
c	What is Indian Forest Act? What are the important objectives and explain its relevance in Indian scenario.	5
Q.no.	Module 2	
2a	What is meant by irreversible and irretrievable commitments of resources? Explain with example.	4
	Answer b or c	
b	What are the factors of consideration in assessing airport impact?.	5
c	Discuss the Socio Economic Impact due to thermal power project in a rural area.	5
Q.no.	Module 3	
3a	What are the different sources of noise pollution?	4
	Answer b or c	
b	What are the methods that can be adopted to reduce air pollution in a cement manufacturing unit?	5
c	How do you control noise pollution?	5

Q.no.	Module 4	
4a	Explain the importance of energy impact analysis.	4
	Answer b or c	
b	What is the energy impact organization for an energy consuming project.	5
c	Write down the conceptual approach for the assessment of visual impact on environment	5
Q.no.	Module 5	
5a	Write short note on the water quality criteria and standards.	5
	Answer b or c	
b	What are the precautions to be taken while handling water samples and doing laboratory analysis	7
c	Discuss the water quality impact due to	7
	i) Highway project	
	ii) Mining activity	
Q.no.	Module 6	
6a	What is difference between environmental auditing and environmental monitoring?	5
	Answer b or c	
b	What are the consequences of urban development on vegetation and wildlife?	7
c	Explain matrix method of impact analysis with example.	7