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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	What are the goals and functions of NEPA?	4
	Answer b or c	
b	What is Air Act? What are the roles of Central and State Boards in the prevention and control of air pollution?	5
c	Write a note on Motor Vehicle Act 1988?	5
Q.no.	Module 2	Marks
2a	How do you measure physical environmental impacts? Give example.	4
	Answer b or c	
b	What are the basic steps involved in performing the socio economic impact analysis?	5
c	What are the socio economic impacts due to coal refinery project in the village area?	5
Q.no.	Module 3	
3a	What are the basic steps involved in the noise impact analysis?	4
	Answer b or c	
b	Explain the five elements that an air quality impact analysis must include?	5
c	What are the ill effects due to noise in a society?	5

Q.no.	Module 4	
4a	Write down the conceptual approach for visual impact prediction and assessment.	4
Answer b or c		
b	Write the energy impact organization for energy conserving projects and bring out the difference between external and internal conservation with examples.	5
c	Discuss the importance of energy impact analysis.	5
Q.no.	Module 5	
5a	Discuss the basic steps associated with the prediction and assessment of impact on water environment.	5
Answer b or c		
b	What are the basic steps in modelling? Explain..	7
c	Explain the effects in water quality due to agriculture and irrigation.	7
Q.no.	Module 6	
6a	What are the consequences of disturbing natural plant community?	5
Answer b or c		
b	What is environmental monitoring? Write down the objectives of monitoring.	7
c	List the different methods for impact analysis and explain any one in detail with example.	7