

APJ ABDULKALAM TECHNOLOGICAL UNIVERSITY

08 PALAKKAD CLUSTER

Q. P.code :TE1172

(pages: 2)

Name:

Reg No:



FIRST SEMESTER M.TECH. DEGREE EXAMINATION DEC 2017

CIVIL (Transportation Engineering)

08 CE6219 ENVIRONMENT IMPACT ASSESSMENT OF TRANSPORTATION
PROJECTS

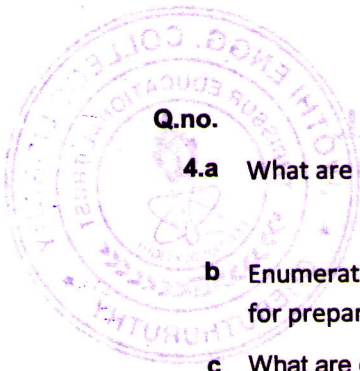
Time:3 hours

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	Marks
1.a	Describe the structure and function of SEIAA and MOEF	3
	Answer b or c	
b	Describe the procedure for EIA in India	6
c	Describe the importance of public hearing in approval of EIA	6
Q.no.	Module 2	Marks
2.a	What are the considerations while formation of a team for EIA	3
	Answer b or c	
b	Explain the steps to be followed for collection of Baseline data	6
c	Describe the need for prediction of impacts on the environment while preparing an EIA for a transportation project	6
Q.no.	Module 3	Marks
3.a	What are the practical issues while preparing an EIA for a transportation project	3
	Answer b or c	
b	What are the simple techniques used for conflict management	6
c	Transportation is the backbone of any country . the environmental impacts of transportation are also alarming .give a brief account of possible remedial measures to reduce the overall impact of transportation on the environmental nature of our country.	6



Q.no. **Module 4** **Marks**
4.a What are basic water quality standards? Explain with example **3**

Answer b or c

b Enumerate the method for prediction of water quality and water quantity data for preparation of EIA for a project **6**

c What are general mitigation measures for remediation of water quality deterioration problems **6**

Q.no. **Module 5** **Marks**
5.a What are air quality standards **4**

Answer b or c

b What are the main sources of air pollution in a road construction project ? **8**

c How do air quality problems are predicted? **8**

Q.no. **Module 6** **Marks**
6.a What are the socio-economic impact of a transportation project **4**

Answer b or c

b Describe EMP and EMS **8**

c Explain the use of life cycle analysis in EIA **8**