

Reg. No.

III SEMESTER M.TECH (ENVIRONMENTAL ENGINEERING)

END SEMESTER EXAMINATIONS, MAY /JUNE 2016

SUBJECT: ECOLOGY AND ENVIRONMENTAL IMPACT ASSESMENT [CIE 522]

REVISED CREDIT SYSTEM

Time: 3 Hours

05-05-2016

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer any **FIVE FULL** questions.
- ❖ Missing data may be suitable assumed.
- ❖ Draw neat sketches wherever necessary.

1A.	Explain the structural and functional aspects of a ecosystem.	04
1B.	Explain the matrix and overlay methods of impact identification.	06
2A.	Explain the following:- i) EI ii) FONSI iii) IAA iv) PWD	04
2B.	Explain the following:- i) Carbon cycle ii) Nitrogen cycle	06
3A.	What are the environmental indices? Explain with suitable examples	04
3B.	Explain in general the six step activity involved in the prediction and assessment of impacts on an air environment.	06
4A.	Explain the role of public participation in EIA studies	04
4B.	What is the importance of decomposers in an ecosystem? Explain with a neat sketch energy flow in an ecosystem.	06
5A.	What are the different mitigation measures for cultural environment?	04
5B.	Give the classification of an ecosystem and explain in detail a desert ecosystem	06
6A.	What is limnology? Explain the tropic classification of lakes.	04
6B.	Write the procedure for a mining activity.	06