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	P.E.S. College of Engineering, Mandya - 571 401 (An Autonomous Institution affiliated to VTU, Belagavi) Eighth Semester, B.E Civil Engineering Semester End Examination; May / June - 2019 Environmental Impact Assessment
	Time: 3 hrs Max. Marks: 100
	<i>Note:</i> Answer <i>FIVE</i> full questions, selecting <i>ONE</i> full question from each unit. UNIT - I
1 a.	What is Environmental Impact Assessment? Write a brief note on role of NEPA in Environmental Impact Assessment.
b.	With neat flow chart, establish the relationship between EIA / ETS and FONSI.
c.	Discuss the limitations of EIA.
2 a.	Illustrate the framework of Environmental Impact Assessment.
b.	With the help of a flow diagram, explain step-by-step procedure for carrying out EIA and EIS.
c.	Comment on various levels of processing draft EIS with its importance before preparing final EIS.
	UNIT - II
3 a.	What is an environmental attribute? List various environmental components that are of importance in conducting EIA.
b.	List various methods that are commonly adopted to carry out EIA and explain overlay method with its merits and demerits.
la.	Illustrate various attributes of environmental significance with their effect of;
	i) Air ii) Sound iii) Land components of environment
b.	Citing suitable example, explain matrices method of conducting EIA with its merits demerits.
	UNIT - III
5 a.	List various sources of air pollution and explain their effects so as to predict and assess their impacts.
b.	Discuss the noise environment, sources, effects and mitigation measures to reduce noise.
5 a.	List various important attribute of water environment and explain their role in prediction and assessment of impact due to an action.
b.	Citing suitable example, explain the steps involved in prediction and assessment of impact of particulate matters in air environment.
	UNIT - IV
' a.	Illustrate the steps by step procedure for predicting and assessment of impact on soil environment.
b.	Citing suitable instance, explain the merits and demerits of public participation in EIA and EIS.
a.	Comment on various attribute that are to be considered in prediction and assessment of impact on ground water.
b.	List and explain steps involved in prediction and assessment of impact on soico-economic environment with special reference to resources attribute.
	UNIT - V
9.	Illustrate the checklist method for conducting environment Impact for a water resource project.

10. Explain the matrix method of conducting environmental impact assessment for a highway Project. 20