20PEB230P					Earth Science and Hydrocarbon Exploration Field Work					
Teaching Scheme					Examination Scheme					
L	T	P	C	Hrs/Week	Theory			Practical		Total Marks
					MS	ES	IA	LW	LE/Viva	
0	0	6	3	--	--	--	--	50	50	100

COURSE OBJECTIVES

- 1 To prepare students for the field of Petroleum Exploration
- 2 To imply ability of reading maps, planning exploration and taking risk and decision
- 3 To help students in identifying sedimentary rocks and its relation to petroleum system
- 4 To able to help students in identifying and interpreting structural aspects in field.

Laboratory Courses

Practical classes/Field trips shall be based on theory course content of Earth science, Sedimentary geology, Petroleum Geology and Petroleum Exploration courses

Aim : Field familiarization of exploration in sedimentary basin and petroleum System

COURSE OUTCOMES

On completion of the course, student will be able to
CO1 - Analyse, Identify and sample different minerals, rocks and fossils for detailed study
CO2 - Evaluate the structural aspects of an area
CO3 - Differentiate between Source, Reservoir and Trap rocks
CO4 - Perform the geological/Geophysical Mapping of a petroliferous basin
CO5 - Construct the geological and Geophysical maps of the area for exploration and exploitation
CO6 - Integrate and Evaluate the G&G data for predicting hydrocarbon resources

TEXT/REFERENCE BOOKS

1. Coe, A. L. (2011) Geological field techniques, Wiley Blackwell Publication,
2. Compton, R. R. (1962) Manual of Field Geology

END SEMESTER EXAMINATION QUESTION PAPER PATTERN

Max. Marks: 100 **Exam Duration: 3 Hrs**
PART A: Evaluation Based on the class performance and Laboratory book **50Marks**
PART B: Viva Examination based conducted experiments **50 Marks**