

4302 - SURVEY PROJECT										
Teaching Schedule Per Week			Progressive Assessment		Examination Schedule (Marks)					
Lectures	Practical	Credits			Theory		Practical Ex.		Total	
-	3	3	25	25	-	-	100		150	
Pre-requisite		Source	Semester	Theory	Test	Total	TW	PR	Gr Total	
4008		MIN		-	-	-	50	50	100	

Rationale: The course content has been design in such a way that the principles & practices of surveying in mines have been incorporated in this course. Some of the topics in mine surveying are of applied nature & is best learnt in live mine set up. The students have to attend the survey camp during the semester for a period of 5-10 days & submit a report.

Objective: On completion of this course a student will be able to carry out the survey operations independently.

SUGGESTED TOPICS:

1. Preparing a topographical may of given area with contours.
2. Designing a football ground at a given area by levelling.
3. Projecting a road of given gradient
4. Correlation of underground tunnels.
5. Designing steps along a slope
6. Surveying an existing road & exploring possibility of widening.
7. Calculation of the capacity of the mining rejects disposal at Hill slope.
8. Project of diversion of nallah at required place.
9. Calculating the quantity requirement of top soil & the number of required samples for afforestation of spoil dumps.

PRESENTATION OF THE PROJECT REPORT:

Student will have to prepare a project report, properly bound with necessary certification, consisting of
1. Field Books; 2. Calculations; 3. Conclusions

ORAL:

The panel of examiners will consist of the guide and one external examiner. The student group will present the project before the examiners displaying the charts and maps prepared by them. The examiners shall assess individual student by way of questioning. It is suggested to invite other students as audience while presenting the project

