CRCS Schame

USN			15MN63
		Sixth Semester B.E. Degree Examination, June/July	2018
		Underground Metal Mining	
Tim	ne: 3	3 hrs.	Max. Marks: 80
		The American EUVE Call assertions To sing one full assertion from an	ah modula
	1	Note: Answer any FIVE full questions, choosing one full question from ea	ich module.
		Module-1	
1	a.	Explain scope and limitations of underground metal mining in Indian Mini	
	1.	Fruits in with most sketch Stabell station Paics Winza and Cross cut	(08 Marks) (08 Marks)
	b.	Explain with neat sketch, of shaft station, Raise, Winze and Cross cut.	(00 Marks)
		OR	
2	a.	Explain arrangements for dumping into main ore pass, with neat sketch.	(08 Marks)
	b.	What are the factors to be considered choosing a level interval?	(08 Marks)
		Module-2	
3	a.	Draw a flow chart classifying the different methods of stoping.	(06 Marks)
	b.	Explain the applicability, merits and demerits of sub – level stoping with	a well labeled neat
		sketch.	(10 Marks)
	(4	OR	(a) 2
A6.		What are the factors affecting the choice of stoping method?	(96 Marks)
	b.	Explain with neat sketch, vertical retreat method with their applicability, a	
(2) V	0.	disadvantages.	(10 Marks)
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_		Module-3	f Post and Piller
5	a.	Explain the applicability, stope preparation with well labled neat sketch of Stoping Method.	(08 Marks)
	b.		
	0.	neat sketch.	(08 Marks)
_	Г.	OR	merits and demerits
6		kplain the sub – level caving with their stope preparation, application, nith well labled neat sketch.	(16 Marks)
	VV	th wen fabled neat sketch.	
		Module-4	
7	Ex	xplain the operation of block caving with well labled neat sketch.	(16 Marks)
		OR	
8	E	xplain with neat sketch, top slicing and their applicability, stope prepare	ration, merits and
		emerits.	(16 Marks)
		NA July E	
0		Explain Solution Mining, with neat sketch.	(08 Marks
9	a.	Explain Solution Willing, with lead seem.	(08 Marks)

(08 Marks)

a. Explain Bore hole mining, with neat sketch.

b. Explain the problem of Deep mining and suggest methods to resolve those problems.

(08 Marks)