

LESSON PLAN

SESSION-WINTER-2023

SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR



SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR			
DISCIPLINE-MINING ENGG.	SEMESTER-5TH	NAME OF THE FACULTY-ER. JAGAN KHATOI	REMARK
SUBJECT-MM-I	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-01.08.2023	
WEEK	DATE	TOPICS	
1ST	01.08.2023	Introduction class on mine machinery.	
	03.08.2023	State the types of wire ropes used in Mines.	
	04.08.2023	Describe constructional features of wire ropes & lay of wire ropes.	
	07.08.2023	Define factor of safety to wire ropes nominal & actual factor of safety of wire ropes.	
2ND	09.08.2023	State factors influencing the F.O.S.	
	11.08.2023	State efficiency of rope construction, space factor & cross sectional area rope.	
	14.08.2023	State factors affecting deterioration of ropes.	
	16.08.2023	Describe care & maintenance of ropes.	
3RD	17.08.2023	State & describe testing & examination of wire ropes.	
	19.08.2023	Give the procedure of splicing of wire rope	
	21.08.2023	Describe rope capel for haulage winding & recapping.	
	23.08.2023	Weekly test above the topics.	
4TH	25.08.2023	Transportation in mines by rope haulage.	
	28.08.2023	State type of rope haulage.	
	30.08.2023	Describe various types of rope haulage with simple sketches.	
	31.08.2023	State & describe different type of safety devices on rope haulage roadways.	
5TH	02.09.2023	State & describe different types of clips & couplings.	
	04.09.2023	State function of headgear.	
	07.09.2023	Describe constructional features of headgear pulley.	
	09.09.2023	Define angle of fleet.	
6TH	11.09.2023	Describe cage, cage suspension gear, detaching hooks & its function.	
	13.09.2023	Safety catch at headgear & keps.	
	15.09.2023	100 short questions solve above the topic.	
	18.09.2023	State types of guide.	
7TH	20.09.2023	State & describe rigid guide, flexible shoes.	
	22.09.2023	Tensioning arrangement, guide rope suspension.	
	25.09.2023	State different profiles of winding Drum.	
	27.09.2023	Describe different types of winding brake.	
8TH	29.09.2023	Describe various types of safety devices on winding system.	
	30.09.2023	Mock test.	
	03.10.2023	State & describe principle & constructional features of ground-mounted.	
	05.10.2023	Tower-mounted koepe winder.	
	07.10.2023	State advantages & disadvantages of koepe winding.	

9TH	11.10.2023	Describe multirope system of koepe winding.	
	13.10.2023	Describe constructional features bottom discharge skip, Top discharge skip.	
	16.10.2023	Compare skip winding cage winding.	
10TH	18.10.2023	State factors affecting pit top & pit bottom layouts.	
	20.10.2023	Describe different types of pit top & pit bottom car/tub circuit layouts.	
	25.10.2023	Previous year semester question answer solution	
	27.10.2023	State the types of wire ropes used in Mines.	
11TH	30.10.2023	Describe constructional features of headgear pulley.	
	01.11.2023	State factors affecting pit top & pit bottom layouts.	
	03.11.2023	Give the procedure of splicing of wire rope	
	07.11.2023	Semester oriented question answer discus.	
12TH	10.11.2023	Describe constructional features of headgear pulley.	
	13.11.2023	State different profiles of winding Drum.	
	15.11.2023	Describe cage, cage suspension gear, detaching hooks & its function.	
	18.11.2023	Describe different types of pit top & pit bottom car/tub circuit layouts.	

Principal

Principal

Swami Vivekananda School of Engg. & Tech.
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Dean Academics

H.O.D.