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Achar Osh tute	& Tycanology	

17MN73

Seventh Semester B.E. Degree Examination, Feb./Mar. 2022 Mineral Processing and Fuel Technology

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

- 100	Dec 10mm	- 4
Mod		0
VICE		C-1

	1	a.	Discuss about the peat and its uses.	(10 Marks)		
		b.	Discuss about the characteristics and uses of coal.	(10 Marks)		
			OR			
	2	0	Explain in detail about the mechanism of coal combustion.	(10 Marks)		
	2	a. b.	Explain in detail about the high temperature carbonization of coal.	(10 Marks)		
		υ.	Explain in detail account and a			
			Module-2			
	3	a.	Discuss about the objectives of mineral processing.	(10 Marks)		
		b.	Discuss about the liberation of minerals.	(10 Marks)		
			OR	(10 Marks)		
	4	a.	Explain about the principles of communication with neat sketches.	(10 Marks)		
		b.	Discuss about the various theories of communication.	(10 Marks)		
			26 - 1-1-2			
			Module-3	(10 Marks)		
	5	a.	With neat sketch, explain the working principle of Roll crusher.	(10 Marks)		
		b.	Discuss about the various factors that affect the operation of grinding mill.			
			OR			
			with the concept of movement of solids in fluids.	(10 Marks)		
	6	a.		(10 Marks)		
		b.	With heat sketch, explain the working post-of-			
			Module-4			
	7	a.	With a neat sketch, explain the working principle of jigging.	(10 Marks)		
	,	b.		(10 Marks)		
	U. With a new success, and					
			OR	(10 Morks)		
0	8	a	Discuss in detail about the flotation reagents and its types.	(10 Marks) (10 Marks)		
		b	· · · · · · · · · · · · · · · · · · ·	(10 Marks)		
7			Module-5	(10 Marks)		
i	9	a	Explain the washability curve with neat sketch.	(10 Marks)		
		b	With neat sketch, explain the working principle of thickening.			
			OR			
		0	with the transfer the working principle of filtration.	(10 Marks)		
	1			(10 Marks)		
		t	Explain the process of iron ore with heat nowsheet.			

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Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.