

Seat No :

Day and Date:day, .../.../2022

Time: ----- to -----

Max. Marks- 50

Instructions:

- i. All Questions are compulsory.
- ii. Figure to the right indicate full marks.
- iii. Assume suitable data if necessary.

BT	CO's	Q. No		Marks	Weightage
		Q. 1	Attempt the following	20	
1	CO1	a	What are the characterizations of solid particles?	<i>7 Marks</i>	40%
3	CO2	b	A crushing roll 1m in dia. are set so that the crushing surface are 12.5 mm apart & the angle of nip is 31° , what is maximum permissible size of particle which should be fed to rolls?	<i>7 Marks</i>	
2	CO3	c	Explain ribbon blender with diagram.	<i>6 Marks</i>	
		Q. 2	Attempt the following ** Optional question shall be given to either sub-question 'a' or sub-question 'b'	15	
1	CO4	a	Sate the classification of filtration with examples & explain in detail.	<i>7 Marks</i>	60%
2	CO5	b	Explain free & hindered settling. Or Derive stokes law	<i>8 Marks</i>	
		Q. 3	Attempt the following ** Optional question shall be given to either sub-question 'a' or sub-question 'b'	15	
1	CO4	a	Define sedimentation, classifier & clarifier.	<i>7 Marks</i>	60%
2	CO6	b	Explain cyclone separator with	<i>8 Marks</i>	

			industrial applications. Or Explain fabric filter.			