GBGS SCHEME

IICN						17NT833
USIN						

Eighth Semester B.E. Degree Examination, July/August 2021 Mechanical Operation

Ti	me: í	3 hrs.	Max.	Marks: 100
		Note: Answer any FIVE full questions.		
1	a.	Define Screen. Explain ideal and actual screens.		(10 Marks)
	b	Differentiate between differential and cumulative size analysis.	*	(10 Marks)

2 a	a.	With a neat sketch, explain gyrotary screen.	(10 Marks)
b	o .	With a neat sketch, explain sedimentation and elutriation methods.	(10 Marks)
3 a	a.	Explain about flow meter with neat sketch and mention applications.	(10 Marks)
b	h	Discuss about orifice meter and mention applications.	(10 Marks)

4	a.	Discuss about turbine type flow meter with a neat sketch and mention application.	(10 Marks)
_	h	Explain about vortex flow meter with the neat sketch and mention applications.	(10 Marks)

5	a.	With a neat sketch, explain about classification	of filtration.	(10 Marks)
		Explain any two industrial filters in detail.		(10 Marks)

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6	0	Explain rotary drum filter w	with the neat sketch	A. V	(10 Marks)
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b	Discuss about horizontal	drum filter in detail v	with a neat sketch.	(10 Marks)
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7	a.	Give a detailed note on applications of agitation.	(10 Marks)
•		With a neat sketch, explain Agitation equipments.	(10 Marks)

8 Describe various types of mixers with a neat sketch.	(20 Marks)
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9 a.	Write a note on belt conveyor and Bucket conveyor.	(10 Marks)
	Explain Apron conveyor and chain conveyor.	(10 Marks)

10	а	Discuss about sampling of solids and storage of solids with examples.	(10 Marks)
10		Differentiate between over and closed storage	(10 Marks)

a. Discuss about samp
b. Differentiate between

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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.