

End Semester Examination (ESE), 2021

Semester: Sixth

Subject: PRINCIPLE OF UNIT OPERATION – (IV)

Subject Code: Ch-603

Total Marks: 56 Marks

Time: 2 Hrs 30 minutes

All questions are compulsory

Q. No	Description	Mark
1	What do you mean by size reduction?	1
2	State Bond Crushing law of size reduction?	1
3	Name two froth floatation agents.	1
4	State two objectives of mixing.	1
5	State two equipments used for mixing viscous masses.	1
6	Define Standard screen.	1
7	What is conveying?	1
8	State two industrial application of conveying.	1
9	Dust particles in air can be separated by using (Fill in the blank)	1
10	What is the difference between mixing and agitation?	1
11	What are the different screening equipments? Explain any one.	3
12	Write a short note on any equipment for mixing liquid with liquid.	3
13	What are the advantages of Belt Conveyors?	3
14	What do you mean by filtration? What are the functions of filter aid?	3
15	What do you mean by mixing? Write its objectives?	3

16	Describe the working principle of Hammer Mill and mention its advantages.	4
17	Write a short note on chain conveyor mentioning its advantages.	4
18	Write a short note on double roll crusher.	4
19	Describe the working principle of froth flotation process.	4
20	Describe the working principle of cyclone separator with proper diagram.	5
21	Explain the working of a Ball Mill with a neat diagram.	5
22	Explain the working principle of Double arm kneader mixture for viscous fluid.	5

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