

P. Pages : 1

Time : Three Hours



**AW - 2264**

Max. Marks : 80

- Notes :
1. All question carry equal marks.
  2. Answer **any eight** question.
  3. Illustrate your answer necessary with the help of neat sketches.
  4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. What is Nanometer. Explain in detail about different types of Nanometers. 10
2. Write short note on **any two**. 10
  - 1) Reynold's Number.
  - 2) Black Body.
  - 3) Boiling liquids.
3. What is corrosion. Explain different types of corrosion. 10
4. Explain principle. Construction and working of multiple effect Evaporator. 10
5. What is distillation. Explain construction and working of fractionating column. 10
6. Explain the construction and working of counter current multistage extractors. 10
7. What is filtration. Explain the theory of filtration. Add a note on factors affecting filtration. 10
8. Explain the theory of mixing and its types. 10
9. What is drying. Classify dryers. Give construction & working of freeze dryer. 10
10. Write short notes on **any two**. 10
  - a) Theory of crystallization.
  - b) Size reduction equipment.
  - c) Sedimentation.

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