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School of Basic Sciences**Master of Science in Chemistry
Mid Term Examination - Mar 2024****Duration : 90 Minutes
Max Marks : 50****Sem IV - MBS24T5102 - Industrial Chemistry**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Identify the 3 causes for hardness of water? K2 (2)
- 2) List of Major Minerals in India? K1 (3)
- 3) Outline the main component of petroleum? K2 (4)
- 4) How is the grit of sewage removed by the process? K2 (6)
- 5) How is cracking done using a catalytic cracking? K3 (6)
- 6) What are the two well known alloys of copper? Outline their applications as well. K3 (9)
- 7) Construct the steps in fractional distillation of crude oil? K4 (8)
- 8) What are the 4 types of sewage treatment? Explain each in detail? K4 (12)

OR

What is the purpose of effluent treatment? How does it Work. K4 (12)