

UNIVERSITY OF SCIENCE, VNU HCM
MIDTERM EXAMINATION
Semester 1 - Academic Year 2023-2024

STORAGE
CODE
(to be filled by the
QA-AE department)

Course name: Applications of Nuclear Engineering in Industry **Code:** NTE10108

Exam Duration: 60 minutes **Date:** 13/11/2023

Note: *Students* [☐ *are allowed* / ☐ *not are allowed*] *to use materials during the exam.*

Question 1: Briefly present nuclear applications in industry.

Question 2: To handle the problem of sedimentation and collapse of the bed in industrial towers with an outer diameter of 2.9m, a wall thickness of 15mm, and a height of 20m in chemical and petrochemical plants. Please introduce and apply a method that can evaluate this phenomenon and arrange a corresponding measurement system.