

# PROBLEM 4



## RAPID IDENTIFICATION TECHNOLOGY FOR PATHOGEN DETECTION

Given the unprecedented global transformation of chemical, biological and radiological threats, the modern Defence Force needs to be equipped to adapt to multi-threat scenarios to detect emerging bacterial and viral pathogens or novel threats of synthetic origin. Can an agnostic, ultrasensitive, low-burden, all-in-one dual nucleic acid or other relevant detection assay be developed as a novel CBR agent identification system?