Question 1

What is the true statement regarding "privacy"?

○ Software privacy breaches are always caused by poor data sharing practices of users

○ Protecting privacy leads to the collective benefit of the society

○ Software privacy breaches can have consequences only to the end-users

○ Going offline is the solution to protect people's privacy in the present world

Question 2

What is incorrect regarding the given K-anonymised table?

ID	Age	Zip	Gender	Disease
P001	21 – 30	2141	Human	Cancer
P002	21 – 30	2141	Human	Infection
P003	31 – 35	213*	F	AIDS
P004	31 – 35	213*	F	AIDS
P005	41 - 50	*	M	Cancer
P006	41 - 50	*	M	Infection
P007	41 - 50	*	M	Infection

○ This satisfies 3-Anonymity

○ It is possible to identify the person represented by P001 through background knowledge

○ This satisfies 2-Anonymity

○ Age column has used generalisation

Question 3

What is/are the correct statement/s regarding PETs?

    A. Pseudonymisation with a mapping table has a scalability issue
    B. Multiple PETs can be combined to provide more privacy
    C. Not all PETs are suitable for the practical software applications
    D. Homomorphic encryption supports mathematical operation "subtraction"

○ A, B, C

○ A, B

○ A

○ B

○ B, C, D

Question 4

University of Auckland is updating its student management system. All student records should be handled in manner that doesn't compromise student privacy. Each student should have a dedicated accurate record in the database. If the marks of the student is handled in the system they must be recorded in a privacy aware manner. The total marks for a given subject should be calculated in a confidential manner. What is/are the PET/s that are not suitable for this scenario?

    A. Differential privacy
    B. Homomorphic encryption
    C. Pseudonymisation
    D. K-anonymity

  ○ A, C, D

  ○ A

  ○ B, C

  ○ A, D

Question 5

What is the most suitable LINDDUN threat that can possibly occur from each scenario. One threat can be selected only for one scenario.

Scenario	Threat
UOA asks students to enter their full name and ID when registering to the university system	Identifying
Google Maps collect the absolute location of a user rather than an approximate location	Data Disclosure
Farmers NZ website track IP addresses to link separate visits of the same user	Detecting
Instagram does not give "only friends" option to control photo sharing visibility	Unawareness and Unintervenability
When a user fails to provide correct password upon login, Facebook shows "incorrect password"	Linking