Diploma Programme
Programme du diplôme
Programa del Diploma

CASE STUDY

For exam - May 2026

Question 1

1(a) Define the term *malware*. **[2]**

1(b) Identify one purpose of OS detection in vulnerability assessment. [2]

1(c) Identify one difference between *network scanning* and *network mapping*. **[2]**

Question 2

2(a) Outline how *system forensics* can be applied after a penetration test. **[4]**

2(b) Explain how *SQL injection* could be used to access patient health records. **[4]**

Question 3

3. Explain how a *cross-site scripting (X-SS)* attack could affect hospital staff using internal communication platforms. **[6]**

Question 4

4. Evaluate how MTPH can maintain *operational continuity* while protecting *sensitive patient data* during vulnerability testing. **[12]**