HILL UNIVERSITY
Established by an Act of the State Legislature of Uttarakhand (Adhinyam Sankhya 12 of 2011)
University under section 2(f) of UGC Act, 1956

Term Evaluation (Odd) Semester Examination September 2025

Roll no................................

Name of the Course and semester: BTech CSE , 5th
Name of the Paper: **Security Audit and Compliance I**
Paper Code: **TCS 595**
Time: 1.5 hour   Maximum Marks: 50

Note:
  (i)   Answer all the questions by choosing any one of the sub questions
  (ii) Each question carries 10 marks.
  (iii) Please specify COs against each question.

Q1.   (10 Marks)   : CO1
  a. Explain about the following:

      1. Rogue Software   2. Current and Fulltime Threats

                              OR

  b. What do you mean by SPIM ? Explain how SPIM can act as a Threat for Information
      Security

Q2.   (10 Marks)   : CO2
  a. Discuss the importance of information security standards and frameworks. Give examples of
  globally recognized standards used in cybersecurity management.

  OR

  b. Describe common cybersecurity management models and explain the roles and functions of
  management in enforcing security policies.

Q3.   (10 Marks) : **CO1, CO2**

  a. What are the main objectives of ISO/IEC 27001, and how does this standard help
  organizations improve their information security management system?

                              OR

  b.   Explain the roles of a Security Engineer and a Security Architect in designing a secure digital system.
  Also state the difference in their responsibilities.

Q4.   (10 Marks) :   CO2
  a. Describe about the different types of patents available for various categories of innovations with
  examples

                              OR

Term Evaluation (Odd) Semester Examination September 2025

b. Describe the core principles and regulatory requirements of the General Data Protection Regulation (GDPR) and its impact on data privacy practices globally.

Q5. (10 Marks) : CO1,CO2

a. How do cyber laws in India protect individuals and organizations against cyber threats? Provide examples of penalties for offenses as per the IT Act 2000.

OR

b. Explain about 5 types of social engineering attacks with their solutions.