G20

B. Tech. EXAMINATION, 2020

(Seventh Semester)

(B-Scheme) (Main & Re-appear)

(CSE)

CSE465B

INFORMATION SECURITY AND DATA HIDING

*Time : 2½ Hour*s]   [*Maximum Marks :* 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Four* questions in all. All questions carry equal marks.

(3)M-G20   1

1. What do you mean by Information Security ? What is the need to secure information ? Discuss different approaches to secure information.

2. Write short notes on the following :
   (a) Phishing
   (b) Digital Signature.

3. Explain LZW compression and decompression method in detail.

4. What is e-Mail security ? Discuss different practices against hacking.

5. What do you mean by Cryptography ? How is it different from Steganography and Digital Watermarking ?

6. (a) Discuss different applications of data hiding.
   (b) Explain LSB method of data hiding.

7. (a) Discuss advantages of wavelets. **7**

(b) Differentiate between spatial and transform domain techniques.

8. Describe various copyright mechanism systems in detail.