Code: IT8T1

IV B.Tech - II Semester –Regular / Supplementary Examinations July - 2021

BIOMETRICS
(INFORMATION TECHNOLOGY)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer **all** the questions.   All questions carry equal marks

$$11 \times 2 = 22 \text{ M}$$

1.
a) Define Biometrics.
b) Differentiate between False Match Rate and False Non Match Rate (FNMR)
c) List the benefits of Biometric Security.
d) What is Eigen Face?
e) What are the features of IRIS?
f) Explain about DNA Scan Technology.
g) What are behavioral Biometrics?
h) Write merits of Retina Scan Technology.
i) Define BioAPI.
j) What is Biometric Solution Matrix?
k) Define Biometric Spoofing.

PART – B

Answer any *THREE* questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Explain about the working of Biometric Matching.   8 M

   b) Discuss about Pattern based and Minutiae based
      Algorithm for Finger Scan.   8 M

3. a) Explain the merits and demerits of IRIS Scan.   8 M

   b) How are features extracted and analyzed in Facial Scan.
                                                          8 M

4. a) Write briefly about the various components (with neat
      diagram) of Voice Scan Technology.   8 M

   b) Explain the working of Signature Scan Technology.
                                                          8 M

5. a) Discuss any one Biometric application.   8 M

   b) Write about various Biometric Standards.   8 M

6. Discuss the usage of Biometric for Network Security. Explain
   about the Recommended Biometrics.   16 M