

Code: IT8T1

**IV B.Tech - II Semester – Regular / Supplementary Examinations
March 2019**

**BIOMETRICS
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

PART – A

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

11x 2 = 22 M

1.

- a) Define False Match Rate (FMR).
- b) List the importance of Failure to Enroll (FTE).
- c) Differentiate between Verification and Validation.
- d) What is meant by template matching?
- e) Explain the operations of Facial Scan Technology.
- f) How is DNA Scan performed?
- g) Briefly explain about keystroke Scan.
- h) What is meant by Bio Privacy Technology Risk?
- i) List any two Biometric Applications.
- j) Write any tool used for Biometric spoofing.
- k) Write merits of Retina Scan Technology.

PART – B

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

3 x 16 = 48 M

2. a) Explain about Serial layered and parallel layered Biometrics. 8 M
- b) Discuss about strength and weakness of Finger Scan Technologies. 8 M
3. a) Discuss about the various operation in IRIS Scan. 8 M
- b) Explain the process of Face Processing using Neural Network. 8 M
4. a) Explain the working of Automatic Finger Print Identification System. 8 M
- b) List the merits and Demerits of Voice Scan Technology. 8 M
5. a) Discuss the best practices for Data protection in IBG privacy sympathetic biometric systems. 8 M
- b) Explain the Biometric Middleware with a neat diagram. 8 M

6. a) Explain in detail about Biometric Spoofing. 8 M

b) Discuss the Role of Biometrics for Network Security. 8 M