

Code: IT8T1

**IV B.Tech - II Semester - Regular Examinations - March 2018**

**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) Write two benefits of biometric fraud detection system.
- b) Define Failure To Enrol Rate.
- c) What are the features of Finger Scan technology?
- d) List out the strengths of facial scan technology.
- e) List the components of IRIS scan technology.
- f) List out other physical and behavioural biometric systems.
- g) What are the limitations of voice scan technology?
- h) List the 5 elements of biometric solution matrix.
- i) What are the best practices of IBG Bio privacy?
- j) Define FAR.
- k) List the recommended systems for network security.

## PART – B

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

3 x 16 = 48 M

- 2.a) Explain the 5 accuracy measures in biometric system. 10 M
- b) Explain the strengths and weakness of finger scan technology. 6 M
- 3.a) Explain the working of facial scan technology. 8 M
- b) Explain the competing Iris scan technologies. 8 M
- 4.a) Explain the strengths and weaknesses of voice scan technology. 8 M
- b) Explain the working of Retina Scan Technology. 8 M
- 5.a) Explain Biometric solution Matrix. 8 M
- b) Explain the 2 biometric standards. 8 M
- 6.a) Explain the characteristics of a face bio-metric for network security. 8 M
- b) Explain in detail about the bio-metric spoofing. 8 M