

Code: IT8T1

IV B.Tech - II Semester – Regular Examinations April 2016

**BIOMETRICS
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1.

- a) Explain the basic working of biometric matching. 7 M**
- b) Explain the layered biometric solutions. 7 M**

2.

- a) Explain the various components of finger scan technology. 7 M**
- b) Explain any one algorithm for interpretation. 7 M**

3.

- a) Describe the operation of Facial Scan technology. 8 M**
- b) What are the salient features of facial scan. 6 M**

4.

- a) Discuss the various components of Iris scan technology. 8 M**
- b) State the strength and weaknesses of Iris scan technology. 6 M**

5.

a) Explain the working of voice scan technology. 8 M

b) Is voice based biometric superior to Iris technique? Give justification. 6 M

6. How Automatic Finger Print Identification System acts as a security system? Explain in detail. 14 M

7.

a) Compare biometric technologies based on privacy factor. 8 M

b) List out the Biometric applications. 6 M

8.

a) What are the recommended Biometrics and how these are helpful in network security? 7 M

b) What is Biometric spoofing and what are the possible solutions to overcome this? 7 M