

Code No: 07A81203

R07

Set No. 2

IV B.Tech II Semester Examinations, APRIL 2011  
BIOMETRICS  
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions  
All Questions carry equal marks

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1. Explain in detail about the facial scan deployments? [16]
2. What are the different factors involved in finger print applications, Explain? [16]
3. Discuss the general future of Biometrics authentication. [16]
4. What is the difference between Iris and recognition? Explain in detail about the two processes with a neat diagram? [16]
5. How fast does a Biometric system work explain in detail with examples? [16]
6. Explain the different characteristics of fingerprint biometrics for network security. [16]
7. Explain different methods of extracting the features from online palmprints. [16]
8. Explain the different standards for face biometric. [16]

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R07

Set No. 4

IV B.Tech II Semester Examinations, APRIL 2011  
BIOMETRICS  
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions  
All Questions carry equal marks

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1. Explain the strengths and weakness of the fingerprint technology. [16]
2. Discuss various artifacts used for voice Biometrics. [16]
3. What is the roll of Infrared sensor in Iris recognition explain in detail? [16]
4. Explain in detail about changes in physiological characteristics that reduce matching Accuracy in facial scan technology. [16]
5. (a) Explain the different horizontal classification of biometric applications.  
(b) Explain the elements to be consider in implementing the biometrics. [8+8]
6. Write a short note on:  
(a) template creation(in finger scan)  
(b) Template matching(in finger scan). [8+8]
7. What factors cause biometric system to fail explain in detail? [16]
8. Explain the process of matching the biometric template in the following locations with an application.  
(a) Local host  
(b) Authentication server  
(c) Match on card [16]

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R07

Set No. 1

IV B.Tech II Semester Examinations, APRIL 2011  
BIOMETRICS  
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions  
All Questions carry equal marks

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1. Can the stored finger print templates be used by law enforcement? Explain in detail. [16]
2. What are the different features of facial recognition explain in detail? [16]
3. Explain in detail about the deployment of iris recognition. [16]
4. Explain the different characteristics of voice biometrics for network security. [16]
5. Explain the various voice scan features and its components. [16]
6. Many access control situations make use of a smart card in addition to a Biometric. Why is this necessary Explain with examples? [16]
7. Explain two minutia-based algorithms for extracting the features from fingerprints. [16]
8. Explain in detail on various Biometrics standards. [16]

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**R07**

**Set No. 3**

IV B.Tech II Semester Examinations, APRIL 2011  
**BIOMETRICS**  
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions  
All Questions carry equal marks

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1. Explain the working of voice biometric with application. [16]
2. Discuss the designing privacy sympathetic Biometrics systems. [16]
3. Describe on matching location and authentication server for Biometrics transaction. [16]
4. How do I select a Biometric technology Explain with examples? [16]
5. Differentiate between Iris scan technology and Facial scan technology. [16]
6. How image is processed in finger scan technology? Explain in detail? [16]
7. Explain different methods of extracting the features from keystroke biometric. [16]
8. Write in detail about the affect of lighting, eye glasses, facial hair, expression on facial scan technology with examples. [16]

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