SET- 1

Code No: 2421202

IV B. Tech II Semester Regular Examinations, April/May 2009
BIOMETRICS
(Information Technology)

Time: 3 Hours   **Max. Marks 80**

Answer any FIVE questions
All questions carry equal marks
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1. (a) Compare the traditional authentication methods with the biometric authentication methods.   10m

    (b)   What is False Non Match Rate? Explain its significance in biometrics.6m

2. (a) Explain the operation of the finger scan technology   10m

    (b) List out the strengths of finger scan technology   6m

3.   What are the components of Facial Scan Technology? Explain the working of
     Facial Scan Technology in detail.   16m

4. (a) How does iris scan work? Explain.   10m

    (b) List out the weakness of iris scan technology.   6m

5. What is Voice Scan Technology? Explain how it works in detail with
    a neat sketch.   16m

6. What is Automated Finger Print Identification System (AFIS)? How does it differ
    from hand scan? Explain   16m

7. Writ short notes on

    (a) IBG'S biometric solution.   4m

    (b) Bio API   4m

    (c) Bio Privacy   4m

    (d) CDSA/HRS   4m

8.   Explain about various statistical measures that are used in biometrics.   16m

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SET- 2

Code No: 2421202

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BIOMETRICS
(Information Technology)

Time: 3 Hours   **Max. Marks 80**

Answer any FIVE questions
All questions carry equal marks
****

1. (a) How is verification and identification differed in biometrics? Explain   8m

  (b) What is failure to enroll rate? Explain its importance in biometrics   8m

2. What are the different components of finger scan technology? How does the finger scan technology work? Explain.   16m

3. (a) Explain the working of facial scan technology.   10m

  (b) List out the weakness of facial scan technology   6m

4. (a) Explain the functioning of Iris Scan Technology.   10m

  (b) List out the strengths of iris scan technology   6m

5. a) What are the components of voice scan technology? Explain the working of each of the components.   10m

  b) List out the strengths of voice scan technology   6m

6. How is Retina scan different from Iris scan? Explain.   16m

7. Write short notes on   4x4=16m

  (a) BAPI

  (b) Bio Privacy

  (c) CDSA/HRS

  (d) Information security for financial services.

8. How can we trust and secure a biometric transaction? Explain.   16m

SET- 3

Code No: 2421202
IV B. Tech II Semester Regular Examinations, April/May 2009
BIOMETRICS
(Information Technology)

Time: 3 Hours   **Max. Marks 80**

Answer any FIVE questions
All questions carry equal marks
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1. How does biometric matching work? Explain.   16m

2. a) How does finger scan technology? Explain   10m

    b) Describe about other competing finger scan technologies available.   6m

3. a) Explain the functioning of facial scan technology.   10m

    b) List out the strengths of facial scan technology   6m

4. a) Explain how iris scan technology works?   10m

    b) List out the weaknesses of facial scan technology   6m

5. What are the components of voice scan technology? Explain the working of each

    of the components.   16m

6. What is hand scan? Describe the components and working of hand scan?   16m

7. What are biometric standards? Explain their application programming   interfaces.

                                                                         16m

8. How is biometrics used for network security? Explain.   16m

SET- 4

Code No: 2421202
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BIOMETRICS
(Information Technology)

Time: 3 Hours   **Max. Marks 80**

Answer any FIVE questions
All questions carry equal marks
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1. a) What is false match rate? Explain its significance in biometrics.   8m

   b) What is the importance of derived metrics in biometrics? Explain   8m

2. a) Explain the working of finger scan technology   10m

   b) List out the weaknesses of finger scan technology   8m

3. a) Explain how facial scan technology works?   10m

   b) Describe about other competing facial scan technologies that are available.   6m

4. What are the components of Iris Scan technology? Explain the working of Iris scan
   technology?   16m

5. a) What are the components of Voice scan technology? Explain the working of the
   voice scan technology.   10m

   b) List out the strengths of voice scan technology   6m

6. Compare and contrast hand scan and retina scan technologies.   10m

7. What are biometric standards? Explain the application programming interfaces. 16m

8. Write short notes on   4x4=16m

        a) Failure to Enroll (FTE)

        b) Choice of biometric network access

        c) False Rejection Rate (FRR)

        d) Match on Card (MOC)