

B.Tech IV Year II Semester (R13) Advanced Supplementary Examinations July 2017

BIO-METRICS

(Information Technology)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
 - (a) Distinguish between positive and negative identification.
 - (b) Mention any two serial attacks on biometrics.
 - (c) State the civil and commercial applications of finger print.
 - (d) What are the limitations of retina scan?
 - (e) Mention the challenges with respect to voice scan.
 - (f) List the limitations of signature scan.
 - (g) List the strengths and weaknesses of IRIS scan.
 - (h) Give the disadvantages of parallel port interface Vs serial port.
 - (i) Mention how biometric system is used in medicine.
 - (j) What is the cost associated to deploy a biometric?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Compare and discuss the benefits of biometric approach versus traditional authentication methods.

OR

- 3 What is false match rate (FMR)? Discuss when false matches are accepted in biometric approach.

UNIT – II

- 4 Why finger-scan biometric approach is not 100% accurate? Discuss.

OR

- 5 Elaborate the strengths and weakness of the facial scan.

UNIT – III

- 6 How the environments effect the voice scan recognition approach? Explain.

OR

- 7 Explain how the signature scan works with example.

UNIT – IV

- 8 What are the limitations of uni-variate biometric systems with respect to serial port interface?

OR

- 9 Explain about AFIS (automatic finger print identification system)

UNIT – V

- 10 How biometric approach plays prominent role in today's security issues? Elaborate.

OR

- 11 Explain the role of biometrics in E-commerce applications.
