HDG-003-007504   Seat No. _____

M. C. A. (Sem. V) (CBCS) Examination

November / December – 2017

ECA - 5023 : Biometrics Technologies

Faculty Code : 003

Subject Code : 007504

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   Attempt any **ten** of the following :   **30**
   (1)   What is Biometrics ?
   (2)   What is FAR ?
   (3)   List of all Biometrics Technologies.
   (4)   Explain Smart cards.
   (5)   What is Hand Geometry ?
   (6)   Expriain Smart-card Features.
   (7)   What is SVM ?
   (8)   What is Iris recognization ?
   (9)   What is EBGM ?
   (10) Explain ICA Architecture-1.
   (11) What is LFA ?

2   Attempt any **three** of the following :   **15**
   (1)   Explain Performance of hand geometry.
   (2)   Explain Kernel Methods.
   (3)   Explain Historty of Hand geometry.
   (4)   Explain Performance of voice recognition.

3   Attempt any **two** of the following :   **15**
   (1)   What is Authentication ? Explain types of Authentication.
   (2)   Explain Advantages and Disadvantages of fingerprint recognition.
   (3)   Explain Retina recognition.

4   Attampt any **one** of the following.   **10**
   (1)   What is Operating System? Expiain smartcard Operating Sysyem
   (2)   What is Iris recognition? Explain its components.