

**Subject : I.T. Elective-IV a) Programming with MFC**

Day : Wednesday

Date : 08/06/2016



Time : 10.00 A.M. TO 1.00 P.M.

Max Marks : 80 Total Pages : 1

**N.B.**

- 1) Attempt any **FIVE** questions from Section – I.
- 2) Attempt any **TWO** questions from Section – II.
- 3) Figures to the right indicate **FULL** marks.
- 4) Answers to both the sections should be written in **SAME** answer book.

**SECTION – I**

- Q.1** Discuss MFC Library in detail. **(10)**
- Q.2** What is Graphics Device Interface (GDI)? **(10)**
- Q.3** How data is exchanged between controls and corresponding variables in a dialog box? **(10)**
- Q.4** Explain the following Windows controls in brief: **(10)**  
a) CButton  
b) CProgressCtrl
- Q.5** What is multithreading programming and how it is performed using MFC? **(10)**
- Q.6** Discuss the following basic MFC classes in brief: **(10)**  
a) CPoint  
b) CArray
- Q.7** Write short notes on the following (ATTEMPT ANY TWO): **(10)**  
a) COM  
b) Thread Synchronization  
c) CString class

**SECTION – II**

- Q.8** How messages are handled in a Windows application (which is NOT using MFC)? Explain in detail along with an appropriate example. **(15)**
- Q.9** How Database connectivity is performed using MFC? Explain along with an appropriate example. **(15)**
- Q.10** Discuss the following Windows messages in brief (ATTEMPT ANY THREE): **(15)**  
a) WM\_MOUSEMOVE  
b) WM\_LBUTTONDOWN  
c) WM\_CHAR  
d) WM\_QUIT

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