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BP—13—2016

FACULTY OF COMPUTER SCIENCE

B.Sc. (SE) (Fourth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

COMPUTER SCIENCE

(Windows Programming Through VC++)

(Monday, 21-11-2016)

Time : 2.00 p.m. to 5.00 p.m.

Time— Three Hours

Maximum Marks—80

N.B. :— (i) All questions are compulsory.

(ii) Assume the suitable data, if necessary.

1. Attempt the following : 20

- (a) C List Box Class.
- (b) Explain the concept of caret.
- (c) What is MFC ? Explain hierarchy of MFC.
- (d) Explain message map.

2. (a) Write an application to display a string on window in colortext. 8

(b) Explain Non-client area mouse messages. 7

Or

(c) How to add scrollbars to window ? Also explain how to set scrollbar range and position. 8

(d) Explain the concept of capturing mouse. 7

3. (a) Explain how to create menus. 8

(b) Write a program to handle file input/output operations. 7

Or

(c) Explain keyboard accelerators for menu. 8

(d) Write a program for context menu. 7

P.T.O.

4. (a) Explain the concept of system menu. 8
- (b) Write a program using client area mouse messages. 7
- Or*
- (c) Explain C button and C edit class. 8
- (d) Describe MFC array classes. 7
5. Write short notes on (any *three*) : 15
- (a) C Combo Box Class
- (b) The Input Focus
- (c) GDI C Brush Class
- (d) Features of VC++
- (e) Popup menus.