Total No. of Questions—4]   [Total No. of Printed Pages—3

Seat
No.

[4966]-4002

M.C.A. (Commerce Faculty) (Fourth Semester) EXAMINATION, 2016

402 : VISUAL PROGRAMMING

(Credit System)

(2013 PATTERN)

Time : Three Hours   Maximum Marks : 50

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

(ii) Neat diagrams must be drawn wherever necessary.

(iii) Figures to the right indicate full marks.

(iv) Assume suitable data, if necessary.

1. Attempt any *seven* of the following :   [7×2=14]

(a) Give syntax of message box API.

(b) Why are virtual keys used ?

(c) What do you mean by a handle ?

(d) Explain mapping modes.

(e) What are different windows resources ?

(f) What is invalid rectangle ?

(g) Explain any two GDI functions.

(h) What are queued messages ?

(i) How parent talks to its child ?

(j) What is a host pot and a caret ?

2. Attempt any *three* :   [3×4=12]

   (*a*)   What is the message loop ?

   (*b*)   Explain any two window controls with example.

   (*c*)   What is thread ? Differentiate between multitasking and multithreading.

   (*d*)   Explain ODBC and its architecture.

3. Attempt any *three* :   [3×4=12]

   (*a*)   What is timer ? Explain the applications of timer.

   (*b*)   Explain modal and modalless dialog boxes.

   (*c*)   Differentiate between pen and brush

   (*d*)   What is registration of class ? Explain.

4. Attempt any *two* :   [2×6=12]

   (*a*)   Write a program to input two integer values using two edit boxes and third box to display factorial of the given values, when OK button is pushed.

   (*b*)   Write short notes on (any *two*) :

       (*i*)   Hungarian notation

       (*ii*)   WM-PAINT

       (*iii*) Accterators.

(*c*) Write a program's statements using win 32 APIs for the following (winmain not required) :

(*i*) When an application begins, a push button is displayed at the bottom left of the right client area. Use up and right arrow keys to move it up and to the right respectively.

(*ii*) Display the number of left mouse button click and right mouse button click, in client area.