

**A 217**

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2005.

Fifth Semester

Computer Science and Engineering

CS 049 — VISUAL PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the difficulties of procedure oriented languages how to overcome it?
2. What is a handle? What is its advantage?
3. What is the concept of DAO?
4. Name four graphic controls supported by visual basic.
5. What are windows messages in VC++?
6. Name a GUI element in Java application along with its use.
7. What is multi threading?
8. What is Java bean?
9. How is exception handling managed with visual Java?
10. How to close and reopen a java file?

PART B — (5 × 16 = 80 marks)

11. What is a layout manager? Which method of an applet do you use to make GUI objects visible on the applet? How to do absolute portioning of GUI objects?
12. (a) How to plug and play message reception possible in windows programming? How is virtual programming environment improve programming with object orientation, quick user response?

Or

(b) (i) # include <windows.h>

int WINAPI Win Main (HINSTANCE hinstance, HINSTANCE

hPrer Instance, PSTR szcmdtve

(int cmd show)

{ int

Message Box (O, "Application executing," "Application",  
MB-OK);

return (O);

}

(8)

(ii) What would be the output for the above segment of a program?  
Discuss every action from the header file. How to initialise and  
register a window class. (8)

13. (a) (i) State and explain how does MFC printing routine work. (8)

(ii) Explain how to create a different view for a document. (8)

Or

(b) Discuss how mouse and keyboard events are responded by window  
applications. Also give a list of mouse messages and keyboard message 4  
in each category. (16)

14. (a) (i) What is the method you call at the end of all file I/O operations? (4)

(ii) When do you need to add the terms throws IO Exception – to a  
method definition. (4)

(iii) Discuss low level file I/O and high level file I/O. (8)

Or

- (b) (i) How are objects passed to methods and returned from methods? (6)
- (ii) Write an application that reads in sentence and displays the count of individual vowels in the sentence use output box to display the result in the following format. Count only the lower case vowels.

(10)

```
Vowel Counts for the sentence
Mary had a little lamb
# of 'a' : 4
# of 'e' : 1
# of 'i' : 1
# of 'o' : 0
# of 'u' : 0
```

15. (a) Create a project using on error resume next statement get a number and divide that number by zero so that an error message should be displayed. (Error due to division by zero).

(16)

Or

- (b) (i) What is the difference between connecting a DB through DAO and Data control. What are the features of ADO? Why ADO is beneficial than RDO? (8)
- (ii) Write a segment in visual basic for option buttons deletion by the click event procedure for the delete command button. (8)