

**V Semester B.C.A. Examination, Feb./March 2010**  
**APPLICATION PROGRAMMING**

Time: 3 Hours

Max. Marks : 80

- Instructions :** 1) Answer *all* questions in Part A, 6 out of 8 questions in Part B and 3 out of 5 questions in Part C.  
2) Part A : Questions from 1 to 8 carry 1 mark *each* and 9 to 14 carry 2 marks *each*.  
3) Part B : *Each* question carries 5 marks.  
4) Part C : *Each* question carries 10 marks.

PART – A

1. What are the uses of event driven programming ?
2. What is GUI ?
3. Define SQL.
4. Define object oriented programming ?
5. What is HCI ?
6. What is graphics APIs ?
7. What is API ?
8. Define 2D GUI.
9. Define affordance, give example.
10. Mention any 2 programming issues in design of APIs.
11. Explain features of Graphical User Interface (GUI).
12. Difference between 2D GUI and GUI?
13. What is the difference between Application Programming Interface(API) and Graphical Use Interface(GUI) ?
14. What is the importance of RGB color in GUI?

**P.T.O.**

## PART – B

1. Write a short on C++ API.
2. Explain the role of API in Software development.
3. Give any five reasons for human-centered software development.
4. Explain GUI design principles.
5. Explain relational data model.
6. Discuss software prototype.
7. List the characteristics of mental models.
8. Compare event driven programming and command line programming.

## PART – C

1. Explain Application Programming & Command Line Programming.
  2. What are the common interaction styles with respective GUI ?
  3. How to build a Graphical User Interface ? (GUI) With example explain.
  4. How to use API and RGB color in user interface development ?
  5. Design a simple application using API in VB.NET.
-