# 2006-PUNJAB TECHNICAL UNIVERSITY
## B.TECH V SEMESTER DEGREE EXAMINATION
### WINDOWS PROGRAMMING
#### (INFORMATION TECHNOLOGY)

TIME-3HOUR
MARKS-60

**NOTE: SECTION A IS COMPULSORY. ATTEMPT ANY FOUR QUESTIONS FROM SECTION B AND TWO FROM SECTION C**

### SECTION A MARKS 2 EACH

Q1) a) What is the concept of window class?

b) What is the difference between Instance handler and Icon handlers?

c) What is the class name?

d) Define window name. What is the procedure of creating a window?

e) Describe about message queues.

f) What are the memory models in windows?

g) What is the concept of device context?

h) What is the concept of scroll bar?

i) How do you create scroll bars?

j) Define keyboard messages.

### SECTION B MARKS 5 EACH

Q2) Explains the compiling and linking for windows.

Q3) Explain the keyboard and the virtual key codes.

Q4) Describe the mouse.

Q5)What is the I/O? Define the windows file function.

Q6) What is the child window? Explain about child window control classes.

### SECTION C MARKS 10 EACH

Q7) what is menu? What is the working of the menu?

Q8breify describe dialogue boxes.

Q9) describe about printing and notifying the job.