

Total No. of Printed Pages:1

**SUBJECT CODE NO:- H-1603**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**ME (Comp.Sci. & Engg.)**  
**Internal of Operating System**  
**(REVISED)**

[Time: Three Hours]

[Max.Marks: 80]

Please check whether you have got the right question paper.

N.B 1. Solve any two questions from each section.**Section A**

- |     |   |    |
|-----|---|----|
| Q.1 | a) Explain in detail file system of windows?                    | 10 |
|     | b) Explain virtual memory management in windows?                | 10 |
| Q.2 | a) Explain in detail lifecycle of windows Azure system?         | 10 |
|     | b) Describe security and isolation service for cloud computing? | 10 |
| Q.3 | Write short note: (any two)                                     | 20 |
|     | i) Interrupt management in Linux                                |    |
|     | ii) File system in Linux  |    |
|     | iii) Working of system call                                     |    |
|     | iv) Architecture of Linux                                       |    |

**Section B**

- |     |   |    |
|-----|---|----|
| Q.4 | a) Explain the parallelization process in detail with example?    | 10 |
|     | b) Describe resource management in multi kernel OS?               | 10 |
| Q.5 | a) Compare and contrast security of windows with Linux in detail? | 10 |
|     | b) Explain security auditing mechanism in Windows and Linux?      | 10 |
| Q.6 | Write short note (any two)  | 20 |
|     | i) EOS  |    |
|     | ii) RTOS  |    |
|     | iii) Linux OS   |    |
|     | iv) QNX   |    |