P1662

[4457] - 214

S.E. (Computer Engineering) (Semester - I)
OPERATING SYSTEM AND ADMINISTRATION
(2012 Course)

Time : 2 Hours]   *[Max. Marks :50*

Instructions to the candidates:

  1) *Attempt Q.No. 1 or Q. No. 2, Q.No. 3 or Q. No. 4, Q.No. 5 or Q. No. 6 Q.No. 7 or Q. No. 8.*
  2) *Neat diagrams must be drawn wherever necessary.*
  3) *Figures to the right indicate full marks.*
  4) *Assume suitable data if necessary.*

Q1) a) Explain the functions of OS.   **[6]**
     b) Explain architecture of UNIX with neat diagram.   **[6]**

OR

Q2) a) Explain different types of Kernels.   **[6]**
     b) List out differents services provided by OS? Explain in detail. **[6]**

Q3) a) Write short notes on :   **[6]**
         i)   File Attributes.
         ii) File Organization.
     b) Explain the bash scripting.   **[6]**

OR

Q4) a) Explain Directory structure in detail.   **[6]**
     b) Write short note on :   **[6]**
         i)   Boot strapping.
         ii) Perl scripting.

Q5) a) Differentiate between user mode & Kernel mode.   **[4]**
     b) Explain unix process state diagram.   **[6]**
     c) Explain unix access permissions.   **[3]**

OR

Q6) a) Explain process control block. **[4]**

b) Explain Prstat and topas. **[5]**

c) Differentiate between Truss & Tusc. **[4]**

Q7) a) Explain the different fields in Shadow file system. **[7]**

b) Differentiate between SATA & PATA. **[3]**

c) List out the characteristics of Storage device. **[3]**

OR

Q8) a) Explain RAID in detail. **[10]**

b) Explain LVM. **[3]**

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