UBITT302 - Operating System & Linux Paper - II

P. Pages : 2

Time : Three Hours

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3059

GUG/W/18/10928

Max. Marks : 40

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Notes : 1. All question are compulsory and carry equal marks.
2. Draw neat and labelled diagram and use supporting data wherever necessary.
3. Avoid vague answers and write specific answers related to questions.

1. Either

a) Define operating System in brief and explain its role in detail. **4**

b) What are the computer System operation? Explain each in detail. **4**

OR

c) Explain the dual mode operation in brief. **4**

d) What are the types of operating System? Explain. **4**

2. Either

a) What is main memory? Explain it in detail. **4**

b) What is process? Explain types of process in brief. **4**

OR

c) Write in brief about the Device Management. **4**

d) Explain about the secondary storage Management. **4**

3. Either

a) Describe the Linux Operating System in brief. **4**

b) Explain the following commands with example :-
   i) Cat   ii) Mkdir

OR

c) What is Shell? Explain its type in detail. **4**

d) Who is System administrator? Explain its role in detail. **4**

4. Either

a) Explain the following with example **4**
   i) Sort   ii) Grep

b) What is permission modes? Explain it in detail.

OR

c) Explain the System defined Shell variables in detail. **4**

d) Explain following with example :- **4**
   i) PS   ii) Kill

5. Solve all the questions :-

   a) Explain CPU protection in detail. **2**

   b) What is System call? Explain any one in detail. **2**

   c) Write a note on Linux directory Structure. **2**

   d) Write a note on Arithmetic in Shell script. **2**

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