

B.Sc. I (With Credits)-Regular-Semester 2012 Sem II
2SCS-T1-Computer Science-I: Paper-I (Operating System)

P. Pages : 1

GUG/S/16/5571

Time : Three Hours



Max. Marks : 50

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- Notes : 1. Draw neat and necessary diagrams wherever required.
2. All questions are compulsory and carry equal marks.
3. Avoid vague answers.

1. Either

- a) Define operating system. Write down the purpose of operating system. **5**
b) Explain the concept of multiprogramming. **5**

OR

- c) How do you explain dual mode operation ? **5**
d) Write a note on CPU protection. **5**

2. Either:

- a) Explain command interpreter system in detail. **5**
b) Discuss information maintenance. **5**

OR

- c) Discuss the role of system administrator. **5**
d) Write a detail note on system calls. **5**

3. Either:

- a) Explain the procedure for naming files. **5**
b) Write a short note on:
i) C-shells **5** ii) Bourne

OR

- c) Discuss the structure of Linux operating system. **5**
d) Write a short note on:
i) Cat **5** ii) rm

4. Either:

- a) Write a note on:
i) Chown **5** ii) Kill
b) How do you explain arithmetic in shell-script. **5**

OR

- c) Write a short note on:
i) Sart **5** ii) ps
d) Write a detail note on filters. **5**

5. All questions are compulsory.

- a) Explain the concept of Batch. **2½**
b) Write a note on networking. **2½**
c) Write a short note on: **2½**
i) ℓn **2½** ii) ℓs
d) Write a short note on grep. **2½**
