

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

P. Pages : 1

Time : Three Hours



GUG/W/16/5571

Max. Marks : 50

- 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) Discuss Time sharing in Detail. **5**
- b) Explain the role of operating system in Detail. **5**

OR

- c) Explain storage structure and its hierarchy. **5**
- d) Explain the functions of operating systems. **5**

2. Either :

- a) What do you mean by operation on-process ? Explain. **5**
- b) Discuss device management in detail. **5**

OR

- c) Explain any four system components. **5**
- d) Define process. Explain its types. **5**

3. Either :

- a) Write a short note on: i) Vi editor ii) Korn **5**
- b) Explain the directory structure of Linux. **5**

OR

- c) Explain the procedure for naming directories. **5**
- d) Explain any three file system commands. **5**

4. Either :

- a) Discuss the shell parameters in detail. **5**
- b) Write a note on : i) Egrep ii) Chgrp **5**

OR

- c) Write a note on shell script variables. **5**
- d) Explain control flow statement in detail. **5**

5. All questions are compulsory.

- a) Write a note on I/O structure. **2½**
- b) Discuss the concept of main memory. **2½**
- c) Write a short note on: i) pwd ii) cd **2½**
- d) Write a short note on communication. **2½**
