

2019

3rd Semester Examination

COMPUTER SCIENCE (Honours)

Paper - C 6-P

[Practical]

SET-1

Full Marks : 20

Time : 3 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Answer *any one* question using C/C++ language (Lottery basis) 15 × 1 = 15

1. Write a program to create a new process using system () that displays the processes running on your system.
2. Write a program to display file type as 'Regular' or 'Directory' or 'other' of a file whose name is given by command line argument.
3. Write a program to create two processes and kill them afterwards using signals.

[Turn Over]

4. Write a program to implement bestfit allocation strategy.
5. Write a program to fork a new process and parent process should wait for the completion of child.
6. Write a program to print details (owner access permission, file access time) of an input file.
7. Write a program to fork a new child process where parent and child execute same program and same code.
8. Write a program to copy a file using read () and write () system calls.
9. Write a program to calculate sum of n numbers using thread library.
10. Write a program to copy files using system calls.

[PNB-2, Viva-voce-3]

2019

3rd Semester Examination

COMPUTER SCIENCE (Honours)

Paper - C 6-P

[Practical]

SET-2

Full Marks : 20

Time : 3 Hours

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in their own words as far as practicable.*

Group-A

Answer *any one* question using C/C++ language (Lottery basis) 1 × 15 = 15

1. Write a program to implement worstfit allocation strategy.
2. Write a program to copy files using system calls.
3. Write a program to fork a new child and parent should wait for the completion of child.

4. Write a program to read content of a file using read () system call and display the content in monitor.
5. Write a program to display all the environment variable in your system.
6. Write a program to implement bestfit allocation strategy.
7. Write a program to create a new process using system () that display list of files.
8. Write a program to report behavior of Linux Kernel including Kernel version, CPU type and model.
9. Write a program to implement FCFS scheduling algorithm.
10. Write a program to read a file name as command line argument and enable its 'execution' permission for 'owner' and 'group' user.

[PNB-2, Viva-voce-3]
