BANKURA UNIVERSITY

B.Sc. Semester-III(Honours) Examination, 2021

Subject: Computer Science

Course Code.: SH /CSC/305/SEC-1   Course ID.: 31515

Course Title: Unix/ Linux Programming

Full Marks: 25   Time: 1 hr 15 mins

1. Answer any five questions: 1×5=5
    (a) What is the use of fork() function?
    (b) Name different linux Shell.
    (c) What is the purpose of ls command in Shell?
    (d) Define inter process communication.
    (e) Mention some linux/unix version of Operating system.
    (f) What is the full form of 'CD' and 'MD' in linux command?
    (g) What are different kinds of permissions in linux?
    (h) What are the different file systems used in Linux?
2. Answer any Two questions: 5×2=10
    (a) Differentiate between shell variables, environment variables and user defined variables.
    (b) Explain the following commands with syntax, options and examples: i) head ii) tail.
    (c) Explain briefly different shells used in different Linux operating systems.
    (d) Why Linux considered as more secured than other OS.
3. Answer any one question: 10×1=10
    (a) Explain briefly different linux File systems.
    (b) Write a shell script to check whether a given year is leap year or not. Write a shell
         program to find prime factors of a given number.   5+5=10