

The University of Burdwan

B.CA(H) Semester-III Examination, 2019

Paper Name: Unix and Shell Programming Paper Code: BCA-305

F.M: 40

Time: 2 Hrs

Answer any *eight* Questions. All questions carry equal marks. 8x5=40

- (a) Briefly explain the i-node structure of UNIX file system.
- (b) Discuss Kernel-Shell architecture of UNIX system.
- (c) Discuss any five commands of UNIX.
- (d) Explain **chmod** command in UNIX with suitable example.
- (e) Describe the concept of pipe in UNIX.
- (f) Write a shell script that calculates factorial of a given number.
- (g) Explain the following UNIX command in brief with different options
 - (i) **passwd** (ii) **ls**
- (h) Write a shell script that merges the content of three files (taken as input) and displays.
- (i) How can you search a particular pattern in UNIX?
- (j) Write a shell script to print the sum of digits of an integer.