

AU-359

M.Sc. (Part—I) Semester—II (CBCS Scheme) Examination

(Old Course)

COMPUTER SOFTWARE

(UPTO SUMMER-2019)

(Free Open Source Software)

Paper—VIII

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) All questions are compulsory.

(2) Assume suitable data wherever necessary.

(3) Illustrate your answer with the help of neat sketches.

1. (A) What is FOSS ? Explain free Software movements of Linux. 8
- (B) Explain the following shell commands with syntax and example :
 - (1) Copping files
 - (2) Logging in
 - (3) Changing files
 - (4) Moving files. 8

OR

2. (A) Explain PAM Authentication. 8
- (B) Explain file system, file modes and permission with an example. 8
3. (A) Explain X-windows system configuration and utilities. 8
- (B) Explain the role of device driver in Linux. 8

OR

4. (A) What is NFS ? Explain file services for Linux 05. 8
- (B) Explain editing documents and Spread Sheet sending and receiving e-mails. 8

5. (A) What are GNU compiler tools ? Describe C preprocessor and C compiler. 8
(B) Explain build system. 8

OR

6. (A) Explain the concept of autoconf and autogen with their uses. 8
(B) What is make file ? Explain how to create make files. 8
7. (A) Explain :
(i) Bash
(ii) Sed and Awk scripting. 8
(B) What is Dynamic Linked libraries ? Explain its features in Linux. 8

OR

8. (A) What is meant by profiling ? Explain. 8
(B) Explain :
(1) add
(2) Memory debugging
(3) Profiling. 8
9. (A) Give the general overview of QT-Programming. 8
(B) Explain function in Python and its advantages. 8

OR

10. (A) Describe the features and applications of Python programming. 8
(B) Write a Python code to find out first n prime numbers. 8