

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

COMPUTER SOFTWARE

Paper—VIII

2MCSW4 : Fundamentals of Open Source Systems

(New Course)

Time : Three Hours]

[Maximum Marks : 80]

N.B. :— ALL questions are compulsory and carry equal marks.

1. (A) Explain the development of Linux. 7
- (B) Explain the history of OSS. 7

OR

2. (A) Explain security and reliability issues about FOSS. 7
- (B) Explain Ubuntu Operating System, and its features. 7
3. (A) Explain file ownership and permissions. 7
- (B) Explain how to change file modes and permissions in Linux. 7

OR

4. (A) Explain PAM Authentication. 7
- (B) Explain process management in Linux. 7
5. (A) Explain Android platforms and its different versions. 7
- (B) Write and explain steps for installing Eclipse and SDK packages. 7

OR

6. (A) Explain Android Architecture in detail. 7
- (B) Explain how to create custom components in Android. 7

7. (A) Explain data types and sets in python with example. 6
(B) Explain 'while' and 'for' looping control statements with example. 6

OR

8. (A) Write a program in Python to find out factorial of given no. 6
(B) Explain conditional statements in Python. 6
9. (A) Explain modules in Python with example. 7
(B) Explain database support in Python. 7

OR

10. (A) Explain Inheritance and method overriding with example. 7
(B) Write a program in Python for finding largest number among three numbers using 'class'. 7
11. (A) Explain mechanism of Eucalyptus. 6
(B) Explain open source cloud software environment. 6

OR

12. (A) Explain open Nebula and its features with Architecture. 6
(B) Describe the concept of open source cloud. 6