

Seat No. : _____

AI2-118
April-2016
M.Sc. IT., Sem.-IV
Open Source Technology

Time : 3 Hours]

[Max. Marks : 100

1. Answer the following questions : **(20)**
 - (1) Explain APIs in detail.
 - (2) State strength of vendor-provided software & open source software.
 - (3) Explain open source development model with diagram.
 - (4) Difference between open source & commercial software.

2. Answer the following questions : **(20)**
 - (1) Explain parent-child relationship.
 - (2) Define different commands of saving and exit of ex-mode.
 - (3) Explain ps command with its options.
 - (4) Explain following terms :
 - I. Zombies
 - II. orphan

3. Answer the following question : **(20)**
 - (1) Which partitions are required to install Unix Os ?
 - (2) Write down use of web server and service of apache web server.
 - (3) List out the packages to install database server.
 - (4) Define document root of web server and where is stored web configuration file ?
 - (5) Which commands are used to select database and display table ?
 - (6) Write command to start service permanently.
 - (7) Explain why UNIX is multiuser and multitasking.
 - (8) Draw diagram of Unix architecture.
 - (9) Which command is used to add existing user to existing group ?
 - (10) List out commands to view user's id and username.

4. Answer the following questions : (20)
- (1) Write down special parameters and their significance which is used by shell.
 - (2) Explain briefly categories of file.
 - (3) Write short note on case statement with appropriate example.
 - (4) Which command is used for computation and string handling ? Also define its function and example.
5. (a) Answer the following questions : (10)
- (1) Write down short note on file permission.
 - (2) Explain built-in functions in awk.
- (b) Write briefly about process. Explain sequence of shell creation. (10)

OR

Define in-built function and array of awk in detail.
