(Knowledge for Development)

KIBABII UNIVERSITY
KIBU

UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR

END OF SEMESTER EXAMINATIONS
YEAR FOUR SEMESTER TWO EXAMINATIONS

FOR THE DEGREE IN
(INFORMATION TECHNOLOGY)

COURSE CODE: BIT322

COURSE TITLE: SYSTEM ADMINISTRATION AND MAINTENANCE

DATE: 13/11/2020 **TIME:** 2:00 P.M – 5:00 P.M.

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE [COMPULSORY]   [30 MARKS]

a) What is meant by clustering   (4 marks)
b) Define the following terms   (6 Marks)
   i)   Server
   ii)   Service pack
   iii) Patch
c) State any three reasons why system admins prefer rack mountable severs (2 marks)
d) List any five hardware specifications that are typical of server machines (5 marks)
e) State five functions of a system administrator   (5 marks)
f) What is content Management?   (2 Marks)
g) Discuss the benefits of having a content management system in an organization
                                                                  (6 Marks)

QUESTION TWO   [20 MARKS]

a) State and explain any four types of servers   (8 Marks)
b) Explain the concept of virtualization and name any two Virtualization software
                                                                  (4 Marks)
c) List four different Linux distributions   (8 Marks)

QUESTION THREE   [20 MARKS]

a) Discuss any four roles of server manager   (9 marks)
b) State the procedure for adding a server roles on any windows server (9 Marks)
c) What will the following command do in linux: apt-get install teamviewer (2 Marks)

QUESTION FOUR   [20 MARKS]

a) What is the meaning of file system   (3 Marks)
b) State and explain the three main objects in active directory   (6 Marks)
c) State and explain two methods of software deployment   (6 marks)
d) State any five reasons as to why most system administrators will prefer running their
   services on Linux as compared to windows server   (5 Marks)

QUESTION FIVE   [20 MARKS]

a) State and explain five roles on Microsoft server 2012   (10 marks)
b) What are the features of Windows Server 2012 for Itanium-Based Systems (5 Marks)
c) State a procedure for scheduling a task in server 2012   (5 Marks)