



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SEPTEMBER/OCTOBER 2015 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: CIT 854

COURSE TITLE: Network Programming and Design

CourseCreditUnit: 3

Time: 2½hrs

Instruction: Answer any other FIVE questions. Each question carries 14 marks

1. (a) Give the guidelines for switch port allocation (6 marks)
(b) State any eight of the considerations for planning a cabling system (4 marks)
2. (a) In a tabular form outline the different classes of Network and their respective IP address (6 marks)
(b) Enumerate any four of the criteria for network addressing (8 marks)
3. (a) Briefly discuss the benefits of subnets (6 marks)
(b) Discuss the 64-bit Architectures (6 marks)
(c) List any two commonly used media for digital signals (2 marks)
4. (a) State any five advantages offered by networking of computers over a single system (5marks)
(b) What is the disadvantage of networking? (1 mark)
(c) List any four of the common naming abbreviations and state their meaning for domain connection (8 marks)
5. (a) Name and describe any four problems of Network Devices.) 8 marks
(b) Write short notes on Twisted Pair Cable (6 marks)
6. (a) Enumerate any five functions of Network Operating System (NOS)) 10 marks
(b) Briefly explain the term “Network Topology”.) 4 marks

7. Write short notes on the OSI reference model listing its layers in the correct sequence and stating the function(s) of each layer (14 marks)