



**COLLEGE OF BUSINESS, PEACE, LEADERSHIP AND GOVERNANCE
DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION SYSTEMS**

NCSC302: ADVANCED NETWORKS

MAY 2021 MAIN EXAMINATIONS

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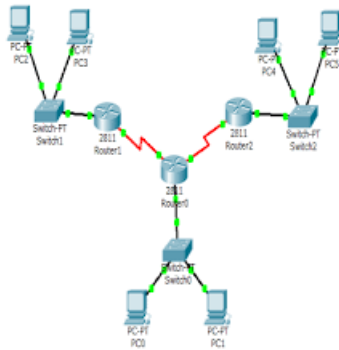
7 HOURS

INSTRUCTIONS

1. All questions require the use of CISCO packet tracer
 2. Make sure you have the exam paper and three PDF files labeled NCSC302 QUESTION 1, NCSC302 QUESTION 2 and NCSC302 QUESTION 3 before proceeding
 3. Answer any **ONE** question.
 4. Capture the screen commands and outputs as appropriate when responding to configuration and verification questions
 5. Label and annotate captured screen outputs as appropriate
 6. Compile your answer into one consolidated PDF format document.
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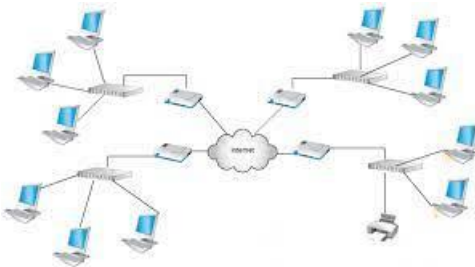
Question 1[100]

- a) Create an appropriate IP addressing scheme and appropriate names of each scheme [30]
- b) Implement the network on packet tracer [30]
- c) Show relevant screen shorts of connectivity tests [30]
- d) Give a real life scenario that would suit this network design [10]



Question 2 [100]

- a) Create an appropriate IP addressing scheme and appropriate names of each scheme [30]
- b) Implement the network on packet tracer, and take an extract of your network diagram from packet tracer [30]
- c) Show relevant screen shorts of connectivity tests [30]
- d) Give a real life scenario that would suit this network design [10]



Question 3 [100]

- a) Implement the network on packet tracer, and take an extract of the network diagram from your packet tracer [40]
- b) Show relevant screen shorts of connectivity tests [40]
- c) Give a real life scenario that would suit this network design [20]

