CS544: Topics in Networks

Dept. of CSE, IIT Guwahati

Class Test   **Date:** 09-04-2021   **Marks:** 15

Answering time: 40 min   **Additional Uploading time:** 20 min   **Total Exam Time:** 1 hr

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Note: Write your name and roll number at the top of your answer sheet.

You have to upload a PDF file. File name should be **<your roll number>_Quiz1.pdf** only.

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1. SDN offers network programmability. What does it mean?   [2]

2. What is the difference between physical port and logical port in OpenFlow switch?   [2]

3. Which are correct statements?   [2]
   a) Every OpenFlow logical switch must have at least one flow table each in the ingress and egress pipelines.
   b) Every OpenFlow logical switch must have at least one flow table in the ingress pipeline.
   c) Every OpenFlow logical switch must have at least one flow table in the egress pipeline.
   d) Every OpenFlow logical switch must have flow table, group table and meter table.

4. What does the stateless constraint specify w.r.t. REST API?   [2]

5. What is the relation between Policy DB and Rule DB in PolicyCop?   [2]

6. What are the different approaches for flow management?   [2]

7. When do you see the Packet-in and Packet-out message transmissions in OpenFlow protocol?
                                                                    [1.5+1.5]