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**DMI-ST.EUGENE UNIVERSITY
DEGREE EXAMINATION – DECEMBER – 2022**

SEM: X

055 CS 016 ATM NETWORKS

Time: 3 Hours

Max. Marks: 100

Answer any Five questions (5 x 20 = 100 Marks)

1. a) Draw and Explain about architecture of ATM networks. (10 Marks)
b) Discuss in deep about Virtual Path. (5 Marks)
c) Explain about virtual circuits. (5 Marks)
2. a) What are the layers and protocols used in ATM? Explain. (10 Marks)
b) Describe in detail about ATM service categories. (8 Marks)
c) Expand the term 'WAN'. (2 Marks)
3. a) Elaborately explain about the transmission of ATM cells. (10 Marks)
b) Explain about QOS parameters. (8 Marks)
c) List out the key objectives of SDH. (2 Marks)
4. a) Describe in deep about performance of high speed LANs. (10 Marks)
b) Explore the concepts of fast Ethernet technology. (10 Marks)
5. a) Discuss in detail about ATM signaling fundamentals. (10 Marks)
b) Explain in detail about key aspects of classical IP over ATM. (10 Marks)
6. a) What is a cell in ATM? Give a detailed study on it. (10 Marks)
b) Discuss about ATM networks Vs. ATM machines. (10 Marks)
7. a) How TCP/IP works? Explain. (10 Marks)
b) Explain in brief on AAL. (5 Marks)
c) Identify the frame structure of SONET. (5 Marks)