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Dt. 30105 116

## B.E. CETRX) VIII SEM. CBGS

(e)

Advance Metworking Technologies

Q.P. Code: 733701

[ Total Marks: 80 (3 Hours) Question No. 1 is compulsory. Attempt any Three from the remaining. Figures to the right indicate full marks. Assume suitable data wherever required. Attempt any Four from the following: Draw and describe ATM cell in detail. Explain SONET frame format with neat diagram. (b) Describe the term DMZ. What is the need of DWDM? Explain its working principle. (d) Draw and explain different states of devices in Bluetooth. (e) Describe ubiquitous and hierarchical access and compare them. With the neat diagram, explain frame format of Frame Relay, How congestion 10 control is implemented in it. (a) Explain Bluetooth protocol stack. (b) Explain ATM protocol architecture in detail. 10 (a) Draw and explain IEEE 802.15.4 LR-WPAN Device architecture. 10 With respect to network management, explain following terms: 10 Documentation OAM & P Explain network security threats and network security safeguards. What is firewall? What are the capabilities and limitation of firewall? Discuss 10 different types of firewall. Write a short note on Any Four: NAT Role of VCI and VPI in ATM SNMP Steps for completing the Access N/W Design (d) Packet filtering