

End Semester Examinations - 2015-16 Even Semester - May 2016

14MT2018 Digital TV and Digital Video Engineering

Set B

Time : 3 hrs
Total Marks: 100

1. a. Explain with neat illustration on frame structure in fiber channel Transport technology? (4)
b. Compare and contrast between Composite, Component and S-Video Video signals. (16)

OR

2. a. What is VSWR of an antenna? Explain standing waves. (4)
b. Explain in detail about the different television standards. (16)

3. a. What is AERP? How is it affected? (4)
b. What are the Various parameters employed in an antenna (16)

OR

4. a. Explain any two transmission protocols (4)
b. What are the different types of antennas in DTV? Explain in detail. (14)

5. a. Explain on different types of transmission mechanism of DTV? (4)
b. Explain SDTI model based on the OSI reference model in detail (16)

OR

6. a. Explain any two classes of service in optical fiber networking? (4)
b. Explain in detail on the reference architecture of optical fiber communication (16)

7. a. Explain with neat illustration on frame structure in fiber channel Transport technology? (4)
b. Explain in detail on COFDM modulation technique for DTV in detail (16)

OR

8. a. Name any audio and video compression standard in DTV? (4)
b. Explain in detail on the reference architecture of satellite DTV in detail (16)

9. a. Explain generic audio coding system with diagram? (4)
b. Explain in detail on the transmission and reception subsystem (16)

Wishing you All the Best
