

6th sem E&TC ETT-601

Advance Comm. System FM-70

Day (026-340) / Wk-05

26

Thursday

JAN

1. Answer all the question

- (a) Define modes of propagation? (10 X 2 = 20 marks)
- (b) what is scattering?
- (c) Define LASER
- (d) Write two application of optical fiber in military?
- (e) Define electromagnetic frequency?
- (f) Define units of power measurement?
- (g) Define numerical aperture?
- (h) Define velocity of propagation?
- (i) Define Acceptance angle?
- (j) what is the need of optical fiber?

2. Answer any six question? (6 X 5 = 30 marks)

- (a) Compare between ~~optical~~ advantage & disadvantage of optical fiber?
- (b) Write about the function of switching system?
- (c) Describe the principle of space & time switching?
- (d) Explain optical detector PIN?
- (e) Describe the principle of Internet Telephone?
- (f) Describe the operation of internet protocol telephone?
- (g) Describe principles of light transmission in a fiber using ray theory?

Answer any two question (2 X 10 = 20 marks)

3. Describe the block diagram of an optical fiber comm. system?
4. Discuss the operation of Electronic Telephone System?
5. Describe three types of optical fiber configuration?