



**D.Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY,
KASABA BAWADA KOLHAPUR-416006
(An Autonomous Institute)
S. Y. B. Tech-ETC (Semester-III)**

Q. Paper Code:
22SYET202303

END SEMESTER EXAMINATION, OCT/NOV- 2021-22
COURSE NAME: Analog and Digital Communication, COURSE CODE: 201ETL203

Day and Date: Saturday,22/01/2022
Time:11.00 am to 12.30 Pm

Seat No:
Max. Marks- 50

Instructions:

- i. All Questions are compulsory.
- ii. Figure to the right indicate full marks.
- iii. Give suitable general Instructions
- iv. Any other Course Specific Instructions.

BT	CO's	Q. No.		Marks
		Q.1	Attempt the following	20
2	CO1	a	With neat sketch explain Low level AM transmitter	7
3	CO1	b	Interpret Mathematical representation of F.M.	7
2	CO4	c	Explain Shannon's theorem of information theory	6
		Q.2	Attempt the following	15
4	CO4	a	Compare phase shift-keying (PSK) and differential phase shift-keying (DPSK).	7
		OR		
4	CO4	a	Compare FSSS with DSSS	7
3	CO2	b	Draw a diagram for the modulation of single-sideband (SSB) signal and explain.	8
		Q.3	Attempt the following	15
3	CO3	a	Draw eye diagram and explain ISI in detail	7
4	CO3	b	Differentiate between Uniform and Non-uniform Quantization	8
		OR		
3	CO2	b	Derive estimation of power spectral density	8
