



Shri Shankaracharya Institute of Professional Management & Technology

Department of Electronics and Telecommunication Engineering

Class Test – I Session- Jan. – June, 2020 Month- February

Sem- ET&T 8th Subject- Power Electronics- 328833(28)

Time Allowed: 2 hrs Max Marks: 40

Note: - Attempt any 5 question. All questions carry equal marks.

Q. NO.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Draw various possible circuit configuration of AC voltage controller and discuss the principle of single phase full wave voltage controller with RL load.	[8]	Understanding	CO5
2.	Explains single phase setup cyclo converter where output frequency (F_c) is equal to six times of input frequency using bridge type cycloconverter.	[8]	Understanding	CO5
3.	Explain the basic working principle of single phase half bridge inverter for R, RL, R-L-C (over & underdamped)	[8]	Understanding	CO4
4.	Explain the Operation of 120° conduction mode of 5 phase bridge inverter feeding star connected purely resistive load with relevant waveform.	[8]	Understanding	CO4
5.	Write short note on servo controlled voltage stabilizer?	[8]	Understanding	CO5
6.	Explain resistance welding. Explain operation of sequence timer used in resistance welding control.	[8]	Understanding	CO4



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SHRI SHANKARACHARYA INSTITUTE OF
PROFESSIONAL MANAGEMENT AND TECHNOLOGY
CLASS TEST - I (Feb-2020)
ET 8th

Advanced Communication Systems

Duration: 2 Hours

Max. Marks: 40

NOTE: Attempt any 5. All Questions carry equal marks

Q-1- Write three laws of Kepler and calculate the height of Geosynchronous Satellite.

Q-2- Define and Explain in detail look angle, slant range, eclipse effect

Q-3- Derive the expression for received power for satellite communication.

Q-4- Derive the expression for C/N with noise temperature considered.

Q-5- Derive general link expression. Find out the expression for C/N and G/T ratio.

Q-6- Discuss Interference effects on complete Link Design

Q-7- Differentiate between Active and Passive Satellite Systems. Also give advantage of Satellite Communication System



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Shri Shankaracharya Institute of Professional Management & Technology
Department of Electronics and Telecommunication Engineering
Class Test – I Session- Jan. – June, 2020 Month- February
Sem- ET&T 8th Subject- Telecommunication Switching Circuits and Networks - 328848(28)

Time Allowed: 2 hrs Max Marks: 40

Note: - Attempt any 5 question. All questions carry equal marks.

Q. NO.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Explain cross bar switching and its configuration	[8]	Understanding	CO1
2.	Differentiate between centralized SPC and distributed SPC	[8]	Understanding	CO1
3.	Discuss in detail stroger switching system.	[8]	Understanding	CO1
4.	Explain two dimensional digital switching	[8]	Understanding	CO2
5.	Compare and contrast early electronic switching system and popular digital switching system	[8]	Understanding	CO2
6.	How does call processing take place? Discuss with example	[8]	Understanding	CO2
7.	Explain electronic space division switching	[8]	Understanding	CO1
8.	Explain principles of common control and cross bar switching.	[8]	Understanding	CO1



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Sem- ET&T 8th Subject- Telecommunication Switching Circuits and Networks - 328848(28)

Time Allowed: 2 hrs Max Marks: 40

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4.	Explain two dimensional digital switching	[8]	Understanding	CO2
5.	Compare and contrast early electronic switching system and popular digital switching system	[8]	Understanding	CO2
6.	How does call processing take place? Discuss with example	[8]	Understanding	CO2
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SHRI SHANKARACHARYA INSTITUTE OF
PROFESSIONAL MANAGEMENT AND TECHNOLOGY
CLASS TEST - I (Feb.2020)
ET - 8th SEMESTER
Consumer Electronics

Duration: 2 Hours

Max. Marks: 40

Note: Attempt any 5. Each question carry equal marks

PART-I

1. What do you mean by CVS? Explain in details the no CVS signal.
2. What is Interlaced Scanning & explain how it reduces flicker and conserves bandwidth.
3. Explain in details HDTV. What are advantages and disadvantages of HDTV?
4. What is phase error in color transmission? Explain how it is cancelled in PAL color system.
5. Draw & explain the block diagram of color television receiver with cromia section.
6. Explain Vertical & Horizontal resolution in details.



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SHRI SHANKARACHARYA INSTITUTE OF
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CLASS TEST – I (Feb -2020)

Branch ET&T – SEMESTER - VIII

SUBJECT-Enterprise Resource Planning

Duration: 2 Hours

Max. Marks: 40

Note: Attempt any 5 question. All questions carry equal marks.

- Q1. Discuss the business function in an organization?
- Q2. How human resource is effective in any business function?
- Q3. Briefly describe “forecasting” subsystem, and also explain some forecasting method?
- Q4. Define marketing. What is marketing mix? Explain evolution of marketing information concept.
- Q5. Explain sales order processing?
- Q6. Define strategic planning. Explain how strategic planning applied in a business with a suitable example?



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CLASS TEST – I (Feb -2020)

Branch ET&T – Semester-VIII

SUBJECT-Enterprise Resource Planning

Duration: 2 Hours

Max. Marks:

Note: Attempt any 5 question. All questions carry equal marks.

- Q1. Discuss the business function in an organization?
- Q2. How human resource is effective in any business function?
- Q3. Briefly describe “forecasting” subsystem, and also explain some forecasting method?
- Q4. Define marketing. What is marketing mix? Explain evolution of marketing information concept.
- Q5. Explain sales order processing?
- Q6. Define strategic planning. Explain how strategic planning applied in a business with a suitable example?