



**Shri Shankaracharya Institute of Professional Management & Technology**

**Department of Electronics & Tele Communication**

**Class Test – I Session- July – Dec, 2021 Month- Oct**

**Sem- CSE 7<sup>th</sup> Subject- Management Concept & Techniques Code- 328734(28)**

**Time Allowed: 2 hrs Max Marks: 40**

*Note: - Answer any 5 questions. All Questions carry equal marks.*

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
Q1	<b>What are Henri Fayol's principles of administrative management ? Explain.</b>	[8]	Understanding	CO2
Q2	<b>What is free rein leadership ? Make a distinction between autocratic and democratic leadership.</b>	[8]	Analyzing	CO3
Q3	<b>What is the importance of training for an organisations ? Discuss the various methods of training.</b>	[8]	Understanding	CO2
Q4	<b>Explain the process of organizing. Discuss the significance of organization in the successful running of a business enterprise.</b>	[8]	Understanding	CO2
Q5	<b>What is conflict management ? State different types of conflict and cause of conflict.</b>	[8]	Analyzing	CO3
Q6	<b>Explain in brief the steps involved in the selection procedure for the acquisition of skilled employees.</b>	[8]	Understanding	CO2



**Shri Shankaracharya Institute of Professional Management & Technology**

**Department of Electronics and Telecommunication Engineering**

Class Test – I Session- July – Dec, 2021 Month- Oct

**Sem- ET&T 7<sup>th</sup> Subject- Radar and Navigational Aids - 328744(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 the block diagram of a simple RADAR system.	[8]	Understanding	CO1
2.	Derive the radar equation and mention its significance.	[8]	Understanding	CO1
3.	Derive the expression for probability of false alarm.	[8]	Understanding	CO1
4.	Discuss the limitations to the tracking accuracy of radar.	[8]	Understanding	CO1
5.	The unambiguous range of radar is 200km. It has a bandwidth of 1 MHz. Find the required PRF, repetition interval and pulse width.	[8]	Apply	CO1
6.	Discuss the various factors affecting the radar range..	[8]	Understanding	CO1
7.	Determine the maximum range of a radar system which operates at 3cm with a peak pulse power of 600kW if its antenna is 5m <sup>2</sup> , minimum detectable signal is 10 <sup>-13</sup> W and the radar cross section area of the target is 20m <sup>2</sup> .	[8]	Apply	CO1
8.	Discuss the frequency range for radar and navigational aids.	[8]	Understanding	CO1





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Class Test – I, October - 2021

**Sem- ET&T 7<sup>th</sup> Subject- Computer Network**

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.	Write a short note on TCP/IP Reference Model.	[8]	Understanding	1
2.	Explain DTE-DCE interface and also elaborate Null modem?	[8]	Understanding	1
3.	Explain HDLC in detail.	[8]	Understanding	1
4.	Explain ISO/OSI Model in Communication Networks?	[8]	Understanding	2
5.	Explain the term <u>Carrier Sense Multiple Access with Collision Detection (CSMA/CD)</u> in detail?	[8]	Understanding	2
6.	Explain data communication in details?	[8]	Understanding	2



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Class Test – I, October - 2021

**Sem- ET&T 7<sup>th</sup> Subject- Computer Network**

Time Allowed: 2 hrs Max Marks: 40

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**Shri Shankaracharya Institute of Professional Management & Technology**

**Department of Electronics and Telecommunication**

Class Test – I Session- July – Dec, 2021 Month- October

**Sem-7<sup>th</sup> Subject- Wireless Communication Code- 328733(28)**

Time Allowed: 2 hrs Max Marks: 40

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

Q.N.	Questions	Marks	Levels of Bloom's taxonomy	COs
1.	Write the features , speed and applications of 4G.	[8]	Remember	CO1
2.	Discuss the evolution of mobile radio communication.	[8]	Remember	CO1
3.	Explain about the basic of cellular system.	[8]	Remember	CO1
4.	Explain Handoff mechanism of cellular communication system.	[8]	Understand	CO2
5.	Write short notes on trunking and grade of service.	[8]	Remember	CO2
6.	Give the details of channels assignments strategies.	[8]	Understand	CO2



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**Department of Electronics and Telecommunication**

Class Test – I Session- July – Dec, 2021 Month- October

**Sem-7<sup>th</sup> Subject- Wireless Communication Code- 328733(28)**

Time Allowed: 2 hrs Max Marks: 40

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

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**hri Shankaracharya Institute of Professional Management & Technology**  
**Department of Electronics and Telecommunication Engineering**  
Class Test – I Session- July– Dec, 2021 Month- October  
**ET&T 7<sup>th</sup> Subject- Microwave Communication and Engineering - 328731(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.	What are the limitations and Remedy of conventional tubes at microwave frequency	[8]	Understanding	CO1
2.	What is velocity modulation? How is it different from normal modulation. Explain how it is utilized in Klystron amplifier	[8]	Understanding	CO1
3.	Derive the expression for electronic efficiency of a reflex klystron oscillator	[8]	Understanding	CO1
4.	Explain the principle of operation of forward wave crossed field Amplifier	[8]	Understanding	CO1
5.	With th help of a neat sketch explain working of inverted Magnetron. Find the expression of Hull cutoff voltage & Magnetic Flux density	[8]	Understanding	CO2
6.	Explain the principle of Magnetron and derive the expression of Magnetic field at which the electron just grazes the surface of anode return to cathode	[8]	Understanding	CO2
7.	Explain the working and Amplification process of Helix TWT	[8]	Understanding	CO2