

**TABLE OF SPECIFICATIONS COMPUTER SCIENCE 9TH**

Ch: No	UNIT: Name	Topic/Sub-topic	Item Type	No. Of items	Marks	Cognitive Level	SLOs Selected for model paper Items Computer Science
1	FUNDAMENTALS OF COMPUTER	Introduction to Computer	MCQ	2	2	K U	<ul style="list-style-type: none"> <li>• 1.1.3 Define types of computer(Analog,digital,hybrid)</li> <li>• 1.3.1 What are output devices</li> </ul>
		COMPUTER HARDWARE	RRQ	1	4	U	<ul style="list-style-type: none"> <li>• 1.3.2. Differentiate between port, expansion slot and expansion card.</li> </ul>
2	FUNDAMENTALS OF OPERATING SYSTEM	Getting started with GUI O.S System Installation	MCQ	2	2	U A	<ul style="list-style-type: none"> <li>• 2.3.1 Identify the basic icons of GUI O.S</li> <li>• 2.4.3 Install Antivirus</li> </ul>
		Introduction	RRQ	1	4	U	<ul style="list-style-type: none"> <li>• 2.1.3 Differentiate between common types of O.S</li> <li>• Command Line Interface(CLI)</li> <li>• -Dos-Unix</li> <li>• Menu Driven Interface (GUI)</li> <li>• Graphical User Interface(GUI)</li> <li>• -MacintoshLinuxwindows</li> </ul>
		Getting started with GUI O.S	ERQ	1	8	U	<ul style="list-style-type: none"> <li>• 2.3.1 Identify the basic icons of GUI O.S</li> </ul>
3	OFFICE AUTOMATION	Word Processing Spreadsheet	MCQ	3	3	A A A	<ul style="list-style-type: none"> <li>• 3.2.1 Basics of Spreadsheets</li> <li>• 3.1.3 Manage a document(cut,copy,paste,move)</li> <li>• 3.2.1 Address of cells and rows</li> </ul>
		Word Processing	RRQ	3	12	A U A	<ul style="list-style-type: none"> <li>• 3.1.15 Discuss uses of Hyperlinks</li> <li>• 3.1.1 Recognize and define word processor</li> <li>• 3.1.11 Insert Word Art</li> </ul>
4	DATA COMMUNICATION	Basics of communication Transmission Medium	MCQ	2	2	K  U	<ul style="list-style-type: none"> <li>• 4.1.4 Discuss the following modes of transssion</li> <li>• Synchronous transmission</li> <li>• Asynchronous transmission</li> <li>• 4.2.1 Differentiate between guided and unguided media</li> </ul>

Ch: No	UNIT: Name	Topic/Sub-topic	Item Type	No. Of items	Marks	Cognitive Level	SLOs Selected for model paper Items Computer Science
		Transmission Medium	RRQ	2	8	U	<ul style="list-style-type: none"> <li>• 4.4.1 Elaborate the following terms with corresponding formulas and standard units</li> <li>• Data rateBaud rate</li> <li>• BandwidthSignal to Noise Ratio</li> </ul>
		Basics of Communication	ERQ	1	8	U	<ul style="list-style-type: none"> <li>• 4.1.4 Describe the following modes of data communication</li> <li>• Synchronous transmission</li> <li>• Asynchronous transmission</li> <li>• 4.1.2 Explain the component of communication system</li> <li>• SenderReceiver</li> <li>• MessageProtocol</li> <li>• Transmission medium</li> </ul>
5	COMPUTER NETWORKS	Networks	MCQ	1	1	K	<ul style="list-style-type: none"> <li>• 5.1.3 Define data transmission modes</li> </ul>
		Networks	RRQ	1	4	K	<ul style="list-style-type: none"> <li>• 5.1.2 Describe the uses of networks</li> </ul>
		Types of Networks	ERQ	1	8	U	<ul style="list-style-type: none"> <li>• 5.2.1 Explain the following types of networks on the basis of spatial distance</li> <li>• LANMANWAN</li> </ul>
6	COMPUTER SECURITY AND ETHICS	Computer Security	MCQ	1	1	K	<ul style="list-style-type: none"> <li>• 6.1.2 Define following</li> <li>• HackerCrackerCyber crime</li> </ul>
		Computer Viruses	RRQ	1	4	K	<ul style="list-style-type: none"> <li>• 6.2.1 Knows that virus,worm,adware,spyware and Malware can spread via:</li> <li>• Infected flash drives/CDs</li> <li>• Pirated software</li> <li>• Network and Internet</li> <li>• E-mails attachments</li> </ul>
			-				<ul style="list-style-type: none"> <li>•</li> </ul>