



**EXAMINATION MATERIAL ZUEB - 2022**

**COMPUTER SCIENCE XI**

**SECTION “C” EXTENDED RESPONSE QUESTION (ERQ’S)**

NO.	TOPIC	ERQ’S (Detailed Questions)
1.	<b>Basic Concept of Information Technology</b>	<ol style="list-style-type: none"><li>1. “A computer system is consisting of 5 parts “how? Explain each part with example.</li><li>2. Explain characteristics of computer and their application in real life.</li><li>3. Explain main memory with their capacity terms &amp; coding scheme to hold data.</li><li>4. “The operating system tends to inside the hardware from the users” discuss.</li><li>5. What is the function of primary storage, and how does secondary storage differ from it?</li><li>6. “How a volatile and non-volatile storage?” Give two examples of each of these types of storage.</li><li>7. Explain rom and its type in details. Why is it the part of ram?</li></ol>
2.	<b>Information Networks</b>	<ol style="list-style-type: none"><li>1- Differentiate in detail the advantages &amp; disadvantages of internet.</li><li>2- How can you design a n information system using different topologies? Which topology would you suggest for a network inside a building? Why?</li><li>3- define each part of the given text with the reference of its domain<ol style="list-style-type: none"><li>a. <a href="mailto:studentcs1@interclg.zia.edu.pk">studentcs1@interclg.zia.edu.pk</a></li><li>b. <a href="http://www.microsoft.com">http://www.microsoft.com</a></li><li>c. <a href="http://www.music.sony.com/music/artiinfo/index/html">http://www.music.sony.com/music/artiinfo/index/html</a></li></ol></li><li>4- Explain a URL and network addresses with an example.</li></ol>
4.	<b>Data Communication</b>	<ol style="list-style-type: none"><li>1. Explain the characteristics of data transmission.</li><li>2. Explain the characteristics of a Data Communication System.</li><li>3. What are communication protocols? How many layers are there in OSI model? Explain all layers.</li><li>4. Design a diagram to show the OSI model with interfaces along their protocols. Explain each layer.</li></ol>
6.	<b>Application &amp; Use Of Computer</b>	<ol style="list-style-type: none"><li>1. What are potential problems has been raised towards computers?</li><li>2. What is the positive &amp; negative impact of computers has been done in humans’ life? Enlighten in detail.</li></ol>
7.	<b>Computer Architecture</b>	<ol style="list-style-type: none"><li>1 Design a diagram to show the typical computer configuration along with description of each part.</li><li>2. Explain the term register and all its types &amp; their use.</li><li>3. How the transmission in side CPU done? What are the functions of wires during data processing? Explain all buses.</li></ol>
8.	<b>Security, Copyrights and The Law</b>	<ol style="list-style-type: none"><li>1 Suggest 6 appropriate Vaccine/Anti-virus for the protections of e-commerce transactions and intranet data.</li><li>2. What is the origin of Cyber-crimes? Explain in detail.</li><li>3. Your answer must have the details about all Cyber-crimes and their preventions.</li><li>4. What are the penalties? What are our responsibilities as a global user of internet?</li><li>5. Give details the results of computer crimes on our society and economy?</li></ol>
9.	<b>Operating System</b>	<ol style="list-style-type: none"><li>1. Explain the major functions of an OS, In respect of a multiuser operating system.</li><li>2. Explain in detail the dissimilarity of the working of an OS and BIOS?</li></ol>

10.	<b>Word Processing</b>	<ol style="list-style-type: none"> <li>1. Write down the steps to create and merge a data sheet from another location to a word document.</li> <li>2. What are the main features of a Word processor to make users work easy? Why all documentation needs a wordprocessor? Explain in detail.</li> </ol>
11.	<b>Spread Sheet</b>	<ol style="list-style-type: none"> <li>1. Write down the purpose of each formula? @if() @count() @sum() @max() @min() @ avg() @date() @time()Design a sheet to support your answer.</li> <li>2. Explain the features of a spread sheet in detail? How it is helpful in all monitory matters? Why a mathematician, accountant or economist select it for his working?</li> </ol>
12.	<b>InternetBrowsing &amp; E-Mail</b>	<ol style="list-style-type: none"> <li>1. Write down a detailed note on Internet along its background/history.</li> <li>2. “The use of internet for education helps to streamline the sharing of information and communication.”Explain the give text with example.</li> <li>3. Why the business transaction cannot be completed without E-mail technology? Explain the reasons behind this need.</li> </ol>

