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|  | | | | **Mid Semester Test-I, February 2021** | | | | |
| **School : SCSIT Program: B.TECH** | | | | |
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| **Semester – IV** | | | | |
|  | | | | |
| *Subject: Computer Network* | | | | | | | ***Subject Code: BTCS04CC43*** | |
| ***Max. Marks:*** | | | ***15*** | | | ***Max. Time:*** | | ***01:00 Hr.*** |
| ***Student’s En. No.:*** | | | | |  | | | |
| **Instructions** | | | | | | | | |
| 1. | Write your **Enrollment number** on the question paper. | | | | | | | |
| 2. | Fill all the details and ensure the invigilator’s signature on the answer book. | | | | | | | |
| 3. | **Do not** write / mark on the question paper. | | | | | | | |

Section – A

**(Answer any one question. Each question carries 07 marks.)**

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| **Long Answer Type Question** |

Q.1 Discuss in details about the ISO/OSI Reference model and also discuss the function of each layer in details?

Q.2 Discuss in details about the various networking devices like- Hubs, Bridges, Switches, Routers and Gateways?

## Section – B

**(Answer any one question. Each question carries 03 marks.)**

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| **Short Answer Type Question** |

Q.3 Explain with the help of an example how actual communication takes place in the internet and how all the layers communicate?

Q.4 What do you mean by topology? Explain the different types of topologies along with their pros and cons?

## Section – C

**(Compulsory. Each question carries 02 marks.)**

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| **Short Notes Type Question** |

Q.5 Explain the different modes of transmission in details?

## Section – D

**(Compulsory. Each question carries 01 marks.)**

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| **Very Short Answer Type Question** |

Q.6. Physical and Logical address

Q.7. Wired and Wireless Medium

Q.8. Define WAN .