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|  | **BALOCHISTAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY KHUZDAR**  **DEPARTMENT OF ELECTRICAL ENGINEERING**  **M.E Fourth Semester Examination 2021** | | | | |
|  | **Department:** | **EED** | **Examination:** | **Mid Examination 2021** | |
| **Subject:** | **Flexible AC Transmission** | **Code:** | **EE- 508** | |
|  | **Max. Marks:** | **20** | **Time Allowed:** | **60 minutes** | |
|  | **NOTE: ATTEMPT All QUESTIONS** | | | | **Marks** |
| **Question No. 1** | 1. Define FACTS, Types of FACTS Controllers and its   application in the field electrical power transmission lines?   1. Define Surge Impedance and Surge Impedance Loading? | | | | 05  05 |
| **Question No. 2** | 1. Define Static Synchronous Compensator (STATCOM). 2. Explain the working principle of STATCOM. | | | | 05  05 |

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