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| **S NO** | **QUESTION** | **KNOWLEDGE**  **LEVEL** | **CO** |
| **UNIT I** | | | |
| **1** | Explain the construction and operation of Air Blast circuit breaker? | **K2** | **CO1** |
| **2** | Illustrate the construction and operation of SF6 Circuit breaker? | **K3** | **CO1** |
| **3** | Demonstrate the operation of MHO Relay? | **K3** | **CO1** |
| **UNIT 2** | | | |
| 1 | Compare the operation of induction disc and induction cup relays.(K2) | **K2** | **CO2** |
| 2 | Discuss the selection procedure of Distance relays. (K2) | **K4** | **CO2** |
| 3 | Demonstrate the operation of MHO Relay? (K3) | **K3** | **CO2** |
| **UNIT 3** | | | |
| **1** | Discuss the different types of faults that occur on a generator and the protection schemes employed. | **K2** | **CO3** |
| **2** | Explain with neat sketch of the Merz-Price protection for generator. | **K2** | **CO3** |
| **3** | Enumerate the relaying schemes which are employed for the protection of a modern alternator. | **K1** | **CO3** |
| **UNIT 4** | | | |
| **1** | Explain how the selection of current and time settings is done in a time current graded system. | **K2** | **CO3** |
| **2** | Describe the over current protection of feeders. | **K2** | **CO3** |
| **3** | Discuss about different factors to be considered while designing relaying system for the protection of feeders. | **K3** | **CO3** |
| **UNIT 5** | | | |
| **1** | Discuss about the merits and demerits of static relays? | **K3** | **CO2** |
| **2** | Explain the volt ampere characteristics of PN diode. | **K3** | **CO2** |
| **3** | Compare the characteristics of a pn junction diode, zener diode and tunnel diode. | **K3** | **CO2** |
| **UNIT 6** | | | |
| **1** | Explain the causes of switching surges. | **K4** | **CO4** |
| **2** | Describe in detail the about the voltage characteristics of surge inverters. | **K1** | **CO4** |
| **3** | Discuss in brief different protective devices against lightning surges. | **K2** | **CO4** |