

**Department of Electronics & Communication Engineering, Faculty of Engineering,  
Integral University, Lucknow**

Quiz 2

High Voltage DC Transmission (EE-036)

Candidate Name & Roll Number:

Date :

1. Typical load for 250kV HVDC line (Bipole-line)  
(a) 200-500 MW (b) 400-1000MW (c) 800-1600MW (d) None
2. \_\_\_\_\_ is an automatic device capable of making and breaking an electric circuit under normal and abnormal conditions such as short circuit.  
(a) Circuit Breaker (b) Isolator (c) Load Break switch (d) None
3. A single phase full bridge inverter can operate in load commutation mode in case load consists of  
(a) RLC over damped (b) RLC under damped (c) RLC critically damped (d) None
4. The PIV in a.c to d.c converter system is highest in  
(a) 1 $\phi$  full wave midpoint converter  
(b) 1 $\phi$  full converter  
(c) 3 $\phi$  bridge converter  
(d) 3 $\phi$  half wave converter
5. In a 3  $\phi$  full converter, the output voltage pulsates at a frequency equal to  
(a) Zero (b) 2f (c) 3f (d) 6f
6. In a 3  $\phi$  full converter, the output voltage during overlap is equal to  
(a) Zero (b) Source Voltage (c) Average value of conducting phase voltage  
(d) Source Voltage- Inductance drop
7. In circulating-current type of dual converter the nature of voltage across  
(a) Alternating (b) Pulsating (c) Direct (d) Triangular
8. A Thyristor may be termed as  
(a) DC switch (b) Ac Switch (c) Both a and b (d) Square Wave Switch
9. Silicon controlled switch is a

- (a) One electrode device
- (b) Two electrode device
- (c) Three electrode device
- (d) Four electrode device

10. In an SCR, the ratio of latching current to holding current is

- (a) 2.5
- (b) 0.5
- (c) 1.5
- (d) 1