

**NPTEL course offered by IIT Madras**  
**Risk and Reliability of Offshore structures**  
**Tutorial 6: System Reliability**

**Answer all questions**

**Total marks: 25**

1. Explain General systems, in the context of system reliability
2. Derive system function for a general system to obtain its reliability
3. Explain how failure domains of a general system are identified to compute system reliability
4. Explain how first order estimate of system reliability can be made for series systems
5. Explain how first order estimate of system reliability can be made for parallel systems