

NPTEL course offered by IIT Madras
Risk and Reliability of Offshore structures
Tutorial 4: Levels of Reliability

Answer all questions

Total marks: 25

1. **Identify a few practical difficulties in applying theoretical reliability methods in offshore structures**
2. **Explain different levels of Reliability**
3. **How errors are classified in Reliability analysis? How are their departure controlled?**
4. **Explain the uncertainties inherently present in the design of offshore structures**
5. **Explain the uncertainties that are inherently present in seismic reliability analysis**