**CERTIFICATE IN FIRE AND RISK MANAGEMENT**

**Element 3 Causes and Prevention of Fires and Explosions**

1. **Give four common work related ignition sources.**
2. **Give a characteristic of the following materials in relation to how it is effected by fire**

**Bricks**

**Concrete**

**Metals**

**Timber**

1. **What are the ratings given to different types of wall linings?**
2. **Give three factors which might increase the risk of arson in the workplace.**
3. **True or False**
4. Oxidisers give off heat and oxygen when they burn
5. As metals heat up their strength reduces
6. Timber protects itself from fire by a natural process known as pyrolysis
7. Class 3 linings can be used in all work areas
8. Substances with high flash points are the highest risk
9. Fire load is the term used to describe the severity of a fire in a given area
10. Intrinsically safe electrical equipment reduces the risk of a spark or heat source in flammable or explosive atmospheres
11. PAT testing is a legal requirement
12. User checks are more effective than PAT testing as any visible signs of overheating should be spotted
13. **Give four ways in which the risks associated with storing highly flammable liquids can be reduced.**
14. **Give four controls to reduce the risk of a fire occurring when LPG is use in the workplace.**
15. **Explain how good standards of housekeeping can reduce the risk of fire in the workplace**
16. **Give four different topics which should be included in any fire safety training session for employees.**
17. **Using practical examples explain the difference between fire prevention and fire protection measures.**