

QUIZ

| Sl. No. | Question | True | False |
|---------|---|------|-------|
| 1. | Flameproof & Explosion proof equipment are the same | | |
| 2. | Flameproof equipment does not allow outside gas/vapour to enter the equipment | | |
| 3. | A non-classified hazardous area is always a safe area | | |
| 4. | Out of the gas groups - I, II A, IIB & IIC, the most hazardous gas is group I | | |
| 5. | If the IP protection gasket is removed from a flameproof equipment flame path, then the flameproof-ness will be defeated | | |
| 6. | Protection technique adopted in intrinsically safe equipment is by way of energy limitation | | |
| 7. | 'Ex-e' designates flameproof equipment | | |
| 8. | Pressurization protection is gas group-sensitive | | |
| 9. | Out of Intrinsically safe, Flameproof and pressurization types of protection, flameproof equipment is the safest type of protection | | |
| 10. | Allot grades (using alphabets) in the protection techniques table given below | | |

| | Safety | Cost of Instrument | Cost of Installation | Maintenance | Flexibility |
|------------------|--------|--------------------|----------------------|-------------|-------------|
| Intrinsic Safety | | | | | |
| Explosion Proof | | | | | |
| Pressurization | | | | | |

A- Safest/Least expensive/Least Cost of installation/Low maintenance cost/Flexible

B-

C- Comparatively, least safe/ Expensive/High Cost of installation/High maintenance cost/Not-Flexible

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|----------------|---|-------------|--------------|
| 11. | Out of the three hazardous zones, Zone 0 is the most commonly prevalent hazardous areas in hazardous industry situations | | |
| 12. | The protection technology employed in Increased Safety equipment is its extra insulation of windings and electrical terminals | | |
| 13. | The gap between flanged joints in a flameproof equipment for Hydrogen gas groups is the least among all the gas groups | | |
| 14. | Hydrogen gas falls under gas group II B | | |
| 15. | Threaded joints in a flameproof equipment shall have a minimum of 5 full tapered threads or 6 full parallel threads engaged | | |