

Easy

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With reference to Dry-type Transformers in commercial buildings, consider the following: 1. They use air as the cooling and insulating medium instead of oil. 2. They

A**1 and 2 only****Correct****B****2 and 3 only****C****1 only****D****1, 2 and 3**

Correct Answer: A

Full Detailed Explanation

Correct Answer: A - 1 and 2 only Quick Concept Explanation Dry-type transformers use solid insulation and air/natural/forced-air cooling rather than flammable insulating oil. Their lower fire and environmental risk makes them suitable for indoor/commercial installations. Key relation: Cooling classes include AN/AF for dry-type designs.Exam focus: Indoor fire-risk questions often favor dry-type transformers. Common trap: Oil maintenance belongs to oil-filled transformers, not dry-type units. Statement-wise Verification Statement 1 - Correct.They use air as the cooling and insulating medium instead of oil.Dry-type transformers use solid insulation and air/natural/forced-air cooling rather than flammable insulating oil. Statement 2 - Correct.They are preferred for indoor installations due to reduced fire hazard.Their lower fire and environmental risk makes them suitable for indoor/commercial installations. Statement 3 - Incorrect.They require frequent oil filtration and acidity testing.Dry-type transformers do not contain insulating oil, so routine oil filtration/acidity testing is inapplicable Core Concept Dry-type transformers use solid insulation and air/natural/forced-air cooling rather than flammable insulating oil. Their lower fire and environmental risk makes them suitable for indoor/commercial installations. Because there is no transformer oil, oil filtration and acidity