

1. In the Attribute Expansion Transformation, an attribute is converted into 1 point

 - ☐ a M-N relationship.
 - ☒ multiple attributes.
 - ☐ a weak entity type and identifying relationship
 - ☐ an entity type and 1-M relationship.
2. In the Compound Attribute Transformation, an attribute is converted into 1 point

 - ☐ a M-N relationship.
 - ☒ multiple attributes.
 - ☐ a weak entity type and identifying relationship.
 - ☐ an entity type and 1-M relationship.
3. The consistency goal for narrative problem analysis indicates that the associated ERD should 1 point

 - ☒ not conflict with the narrative problem details.
 - ☐ identify missing details in the narrative problem details.
 - ☐ identify ambiguous elements in the narrative problem details.
 - ☐ prefer simpler designs.
4. In the Entity Type Expansion Transformation, an entity type is converted into 1 point

 - ☐ a M-N relationship.
 - ☐ multiple attributes.
 - ☐ a weak entity type type and identifying relationship.
 - ☒ two entity types and a 1-M relationship.
5. Usage of a government issued identifier (such as Social Security number) as a primary key should be avoided if possible due to privacy concerns and sometimes violation of the single-purpose tenet. 1 point

 - ☒ True
 - ☐ False
6. In the Limited Attribute History Transformation, an attribute is converted into 1 point

 - ☐ a M-N relationship.
 - ☐ multiple attributes.
 - ☐ a weak entity type and identifying relationship.
 - ☒ two entity types and a 1-M relationship.
7. A phone number is a poor choice for a customer primary key because (multiple answers possible) 1 point

 - ☒ phone numbers are not stable as customers may change phone numbers over time.
 - ☐ phone numbers are stable as customers cannot change phone numbers over time.
 - ☒ a phone number does not have components for identifying countries and area codes.
 - ☐ a phone number has multiple components identifying countries and regions or areas of a country.
8. When determining a primary key for an entity type, the stable property indicates that 1 point

 - ☐ the primary key value periodically changes for most entities.
 - ☐ the primary key value has no other purpose other than identification of the entity.
 - ☒ the primary key value should never change for most entities.
 - ☐ the primary key has additional purposes other than identification of the entity.
9. In the Unlimited Attribute History Transformation, an attribute is converted into 1 point

 - ☐ a M-N relationship.

- ☒ multiple column attributes.
- ☐ a weak entity type and an identifying relationship.
- ☐ two entity types and a 1-M relationship.

10. In the Weak to Strong Entity Type Transformation, a weak entity type and identifying relationship are converted into

1 point

- ☐ a M-N relationship.
- ☐ multiple attributes
- ☐ a strong (not weak) entity type and regular (non-identifying) relationship.
- ☒ two entity types and a 1-M relationship.

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