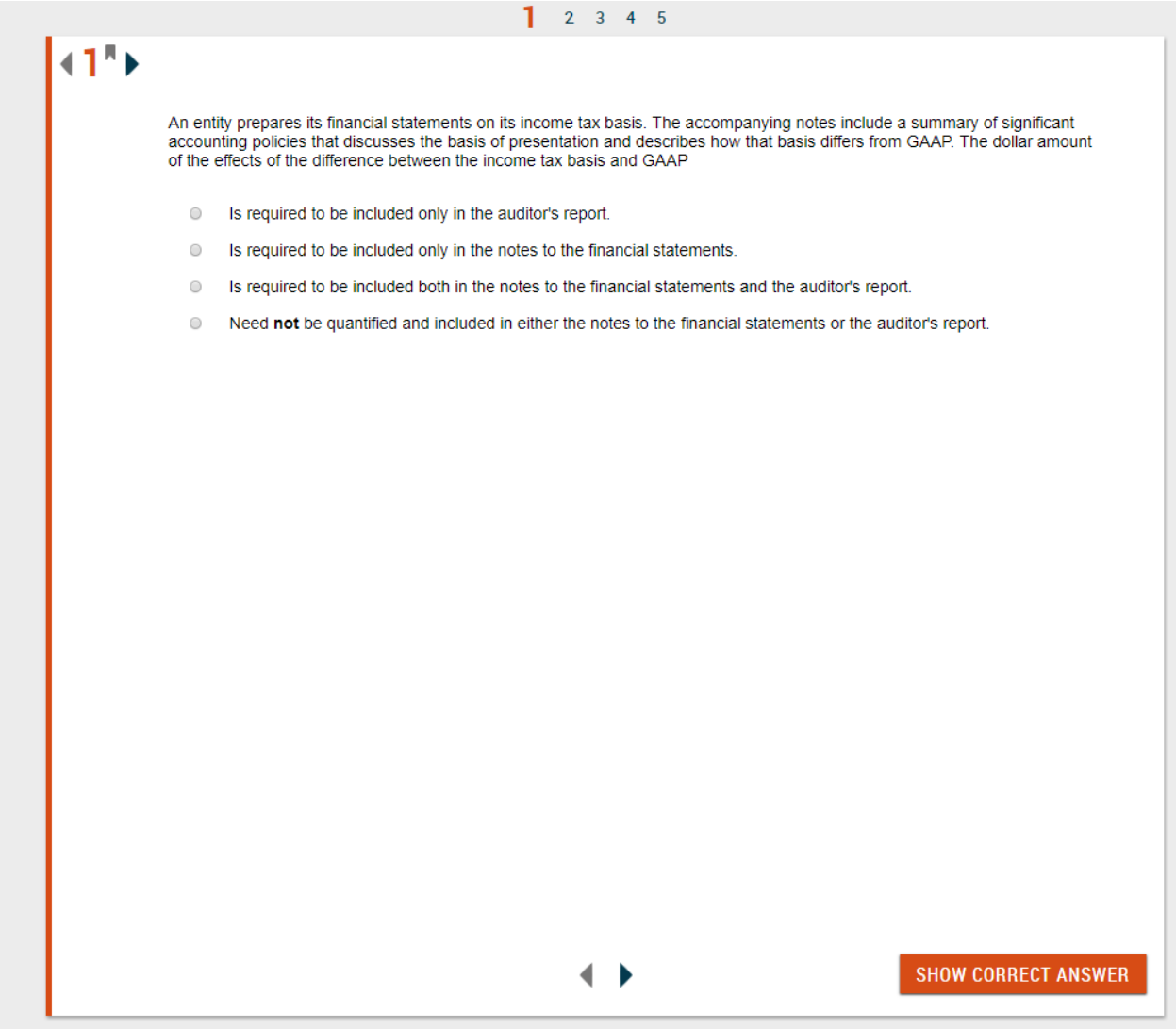
CANDIDATE ASSESSMENT:

In the assessments industry, items are test questions to be answered by candidates. Items can be pretest or operational. Pretest items don't count towards a candidate's score.

Candidates are given a set of items they need to answer. This set is called a Testlet.

A sample Testlet with 5 items (**pictured below**)–



Using Test-First Development build the functionality below -

- There is a Testlet with a fixed set of 10 items. 6 of the items are operational and 4 of them are pretest items.
- The requirement is that the _*order*_ of these items should be randomized such that -
    - The first 2 items are always pretest items selected randomly from the 4 pretest items.
    - The next 8 items are mix of pretest and operational items ordered randomly from the remaining 8 items.

To get started you may use the boilerplate structure below:

```
public class Testlet
{
    public string TestletId;
    private List<Item> Items;

    public Testlet(string testletId, List<Item> items)
    {
        TestletId = testletId;
        Items = items;
    }

    public List<Item> Randomize()
    {
        //Items private collection has 6 Operational and 4 Pretest Items.
Randomize the order of these items as per the requirement (with TDD)

//The assignment will be reviewed on the basis of – Tests written first, Correct
logic, Well structured & clean readable code.


    }
}

public class Item
{
    public string ItemId;
    public ItemTypeEnum ItemType;

}

public enum ItemTypeEnum
{
    Pretest = 0,
    Operational = 1
}
```