

# CO7216 Mock Test 2

## Model Solution

### Question 1 :

- (A) → (a)
- (B) → (b)
- (C) → (c)
- (D) → (d)

### Question 2

equalsTo

(domain: Number/range: Number)

Note: this is **NOT** the only correct solution. Credits will be given to any sensible answers.

### Question 3:

(C) (D) and (E)

### Question 4:

owl:Restriction

### Question 5:

*OWL Functionl Syntax*

```
Declaration(Class(:SpicyPizza))
EquivalentClasses(:SpicyPizza
ObjectIntersectionOf(:Pizza
ObjectSomeValuesFrom(:hasTopping
ObjectIntersectionOf(:PizzaTopping
ObjectSomeValuesFrom(:hasSpiciness
:Hot))))))
```

*Or in Manchester Syntax:*

Class: SpicyPizza

```
EquivalentTo:
  Pizza
  and (hasTopping some
    (PizzaTopping
      and (hasSpiciness some Hot)))
```

### Question 6:

owl:allValueFrom

### Question 7: [10 marks]

owl:Thing

### Question 8: [10 marks]

False