TSA Week 8 Answers

Question One

This caused some difficulties for students. As discussed in class, often the easiest way to see the flaw is to simplify the argument. Here:

1. More people are diagnosed as mentally ill now than previously.
2. It is clear that modern world makes mental health harder.

The trick here is to see that just because there are more reports/diagnoses of X, it does not mean there *are* more X. For example, imagine a species of bird which migrates from scarcely-populated Antarctica to densely-populated London once every three years. In years one and two, almost nobody reports seeing the bird; let's say there are 20 reports. In year three, tons of people see the bird! There are 5000 reports! However, the number of birds has not changed; they're just seen more regularly.

Here, the skill is seeing that we might be diagnosing more people for a variety of reasons: change in medicinal strategies and a decreased stigma on mental illness are good examples. Therefore, the answer is A.

Question Two

Did not cause many problems; you should start from A and move down.

You cannot make 9 from the numbers 5, 8, and 11. Therefore it is not A.

You can make 11 (tigdown + transformation) and you can make 21 (penalty + penalty + tigdown + transformation). Therefore the answer is B.

Question Three

Simplify the argument:

1. We are increasingly committed to entertainment.
2. Entertainment undermines social cohesion.
3. Therefore, entertainment threatens wellbeing.

Written like this, it is clear that there is an unspoken assumption about the relationship between social cohesion and wellbeing! Therefore, the answer is A.

Question Four

Simplify the argument.

1. Adults are depicted as mentally declining.
2. Adults are physically declining.
3. Previously, (1) was thought to result from (2).
4. That is wrong.
5. In fact, adults become happier for X reasons.

As mentioned in class, sentences like "that's wrong" or "incorrect" or "that is nonsense" are good indications that the opposite of the sentence before that is the core conclusion of the argument. Here, the conclusion is along the lines of: people don't mentally decline as they physically decline. Looking down the list from A to E, E is the only one which reflects this and is therefore the answer!

Question Five

Simplify the argument into As and Bs.

Only if A ("18 years old") then B ("vote"). A, therefore B.

The other arguments do not all look like this:

A. Only if A ("acceptable identification") then B ("get foreign currency"). Not A, therefore not B.
B. Only if A ("no illness") then B ("see grandmother"). A, therefore B.

Therefore the answer is B. Don't let the fact that it is phrased as "no illness" trick you into thinking that the logical structure is different!

Question Six

There are 12 11-15 students, therefore they require three teachers. This means that overall there will be 11 adults (as there are already 8 16-18 students).

Therefore the answer will be [(12.95 x 11) + (9.95 x 12)]. This is equal to 261.85. As I said to both classes, in the exams you will not get a calculator, so the trick is to see that (12.95 x 11) is equal to [(13 x 11) - (11 x 0.05)], and that (9.95 x 11) is equal to [(10 x 11) - (0.05 x 11)].

The answer is therefore D.

Question Seven

I love this question. The trick is to see that the differences between each player's cumulative points represent their scores. This means that if the difference is ever the same twice, they have

come in the same place again. You also need to remember that there is a gap between the very start (i.e. pre-Race 1) and the first Race.

Colin's differences are: 7, 2, 1, 2, 5 (disqualified as there are two 2s)
Jason's differences are: 1, 3, 2, 7, 1 (disqualified as there are two 1s)
Kyle's differences are: 3, 7, 5, 3, 7 (disqualified as there are two 3s)
Noel's differences are: 2, 5, 7, 1, 3

Therefore, the answer is Noel (D).

Question Eight

A trickier question. Remember that you're looking for the false statement!

A is true: the blank CD section does increase in size every year.
B is true: the horizontal-lines section does fall in size every year.
C is false! The 12" section increases from 1988 to 1989!

Therefore, the answer is C.

Question Nine

We have seen similar questions to this in the past. For me, the easiest way of doing it is:

There is a 32kg mix of sand and cement, of which 25% (8kg) is sand and 24kg is cement
He needs to have a 120kg mix where 66.6% is sand. Therefore, the final mixture will have to have 80kg of sand. He therefore needs 72kg of sand. The final mixture will also have to have 40kg of cement. He therefore needs 16kg more of sand.

72:16 is equal to 9:2, therefore D.

Question Ten

Simplier than it looks. Go down the list of games and find the "minimum requirements". The processor speed must be 2.7, the memory must be 8, the storage must be 100, and the graphics card memory must be 4. The screen must also be at least 15 inches

Of the above list, only Elovon and Ledd fulfil the requirements. The cheaper one is Elovon, therefore the answer is E.